

Conger Ind. ~~499-5181~~  
Clerk 262-369-5500

# CLARK

## GAS CARLOADER

## DYNATORK

## PARTS BOOK

Number 15

ALWAYS GIVE MACHINE SERIAL NUMBER  
WHEN ORDERING PARTS

March 1952

DCL-180LA

This Parts Book Covers Machine Serial No. DCL-323-CR

Effective With Machine Serial DCL-1-PT and Above

# CLARK EQUIPMENT CO.

Industrial Truck Division  
BATTLE CREEK, MICHIGAN, U.S.A.



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## Important

YOUR CLARK MACHINE was purchased with the expectation that it will give you long and faithful service. A great deal of time and care has been devoted to the proper designing, manufacturing and preparation of this Carloader Dynatork machine for delivery into your hands.

We share your pride in its character and its ability to perform the tasks for which it has been designed, and our sincere hope is that you derive from its operation the full measure of value and utility to which you looked forward when purchasing it.

For these reasons, may we take the liberty of suggesting that a mechanism such as this Carloader Dynatork of yours will always respond at its best with considerate treatment and care.

DIRT, DUST and NEGLECT are the enemies that only you can defeat. An Air Cleaner, Crankcase Breather, Gasoline Filter, and Oil Filter are built into this machine to remove dirt and dust. Unfortunately, these safeguards are not self-cleaning. Regular attention to these parts is necessary. It will repay you well for the slight outlay in personal attention and cost required to give it regular and proper lubrication, inspection at stated intervals and such adjustments as may be required from time to time.

The Industrial Truck Division Representative in your community (See page M) is prepared to give your Carloader Dynatork machine proper and complete attention. He has the complete support of the factory organization.

**CLARK EQUIPMENT COMPANY**

*Industrial Truck Division*

**BATTLE CREEK, MICHIGAN, U.S.A.**

## **WARRANTY**

We warrant each Clark vehicle manufactured by us to be free from defects in material and workmanship only under normal use and service, our sole obligation under this warranty being limited to making good at our factory any part or parts thereof which shall, within ninety days after delivery to purchaser, be returned to us with transportation charges prepaid, and which our examination shall disclose to our satisfaction to have been defective.

This warranty does not apply to damages to the vehicle or components thereof caused by overloading, misuse, neglect, or accident, nor does this warranty apply to any vehicle which shall have been repaired or altered outside of our factories in any way which, in our judgment, might affect its stability or purpose for which it was built.

This warranty is in lieu of all other warranties, expressed or implied. We accept no responsibility for any contingent charges or liabilities nor do we authorize any other person or persons to assume for us any liability in connection with the sale or use of our materials handling vehicles.

We make no warranty whatever in respect to tires, ignition apparatus, horn, starting devices, generator, batteries, or other trade accessories, inasmuch as they are usually warranted separately by their respective manufacturers.

**CLARK EQUIPMENT COMPANY**

## **IMPROVEMENTS**

The Clark Industrial Truck Division is constantly striving to improve their machines. Changes in design and improvement will be made whenever the manufacturer believes the efficiency of the machines will be improved thereby, but without incurring any obligation to incorporate such improvement in any machine which has been shipped or is in service.

## **CLARK EQUIPMENT CO.**

Industrial Truck Division

BATTLE CREEK, MICHIGAN, U. S. A.

***Always Give Serial Number of Machine When Ordering Parts***

# CLARK EQUIPMENT COMPANY, SERVICE DIVISION

## CLARK INDUSTRIAL TRUCK DIVISION AUTHORIZED PARTS AND SERVICE STATIONS

ALBANY, NEW YORK  
Rushmore, Weber & Case, Inc.  
Latham Traffic Circle  
Latham, New York  
Phone: Colonie N.Y. State 5-8548

ATLANTA, GEORGIA  
Wiley Equipment Company  
710-10th Street, N.W.  
Phone: Emmerson 5648

BALTIMORE, MARYLAND  
Maryland Industrial Trucks, Inc.,  
4410 York Road  
Phone: Tuxedo 9-2359 and 9-2360

BIRMINGHAM 7, ALABAMA  
M-H Equipment Company  
905 Alabama Avenue  
Phone: 56-5214

BOSTON, MASSACHUSETTS  
Brodie Industrial Trucks, Inc.  
50 Commercial Street  
Malden 48, Massachusetts  
Phone: Malden 4-4434

BUFFALO, NEW YORK  
Brodie Industrial Trucks, Inc.  
275 New Walden Ave.  
Phone: Fillmore 8600

CHARLESTON, WEST VIRGINIA  
The Crunkle Company  
5324 McCorkle Ave., S.E.  
Phone: 5-5541

CHICAGO 12, ILLINOIS  
Modern Handling Equipment, Inc.  
625 North Kedzie Avenue  
Phone: Sacramento 2-5036

CINCINNATI 15, OHIO  
Robert C. Young & Co.  
Lockland Road & Shepherd Lane  
Phone: POplar 3165

CLEVELAND 11, OHIO  
Material Handling Equip., Corp.  
3471 West 140th Street  
Phone: Clearwater 1-2930

COLUMBIA, SOUTH CAROLINA  
Lukas Equipment Company  
1804 Blanding Street  
Phone: 7790

COLUMBUS, OHIO  
Edward J. Sherry Co.  
181 East 5th Avenue  
Phone: University 9349

DALLAS 2, TEXAS  
Towne Industrial Equip. Co., Inc.  
1410 South Akard Street  
Phone: Prospect 6337

DAVENPORT, IOWA  
Big River Equipment Co., Inc.  
1344 West Third Street  
Phone: 7-5186 & 3-5664

DAYTON 9, OHIO  
Robert C. Young & Company  
2031 South Broadway  
Phone: EMerson 1838

DENVER 4, COLORADO  
Lift Truck Service Company  
2855 West 8th Avenue  
Phone: AComa 4041

DES MOINES, IOWA  
Big River Equipment Company, Inc.  
914 Grand Avenue, Room 255  
Phone: 3-5151

DETROIT 2, MICHIGAN  
M-H-S Parts & Service Corp.  
300 E. Milwaukee Street  
Phone: Trinity 1-2115

EDMONTON, ALBERTA  
Materials Handling Equip. Co.  
10347 73rd Avenue  
Phone: 3-5915

ERIE, PENNSYLVANIA  
Erie Industrial Trucks, Inc.  
1012 Liberty Street  
Phone: 5-3607

EUREKA, CALIFORNIA  
Eureka Boiler Works and  
Acme Foundry Company  
Foot of "S" Street  
Phone: Hillside 3-1681

FARGO, NORTH DAKOTA  
Sweeney Brothers Tractor Co.  
1622 Front Street, Box 626  
Phone: 2-3306

FLINT, MICHIGAN  
M-H-S Parts and Service Corp.  
2630 Deming Road  
Phone: Cedar 5-5432

FORT WAYNE, INDIANA  
Material Handling Equipment Corp.  
3217 New U.S. 30, E.  
Phone: Eastbrook 4662

FRESNO 1, CALIFORNIA  
Robert H. Braun Company  
1905 Mary Street  
Phone: 6-0169

GRAND RAPIDS, MICHIGAN  
Morrison Industrial Equipment Co.  
3015 So. Division Street  
Phone: Cherry 1-4456

GREENSBORO, NORTH CAROLINA  
Industrial Trk. Sales & Service Co.  
418 E. Market Street  
Phone: 4-7203

GREENVILLE, SOUTH CAROLINA  
Lukas Equipment Co.  
85 Cleveland Street

HARRISBURG, PENNSYLVANIA  
Furnival Machinery Co.  
5101 Paxton Street  
Phone: Harrisburg 8-1781

HONOLULU 9, T.H.  
Pressed Steel Car Company  
Division of U.S. Industries, Inc.  
P.O. Box 300  
538 Reed Lane  
Phone: 5-7162

HOUSTON, TEXAS  
Industrial Truck Service Co.  
5530 Sonora Street  
Phone: Orchard 2595

INDIANAPOLIS 5, INDIANA  
W.A. Marschke & Sons, Inc.  
1121 East 46th Street  
P.O. Box 5356  
Phone: Broadway 5468

JACKSON, MICHIGAN  
Morrison Industrial Equipment Co.  
417 Liberty Street  
Phone: 2-8187

JACKSON, MISSISSIPPI  
Fred J. Vandemark Company  
1111 Florence Street  
Phone: 3-5297

JACKSONVILLE, FLORIDA  
Forsythe Garage  
523 Margaret Street  
Phone: 7-7164

KALAMAZOO, MICHIGAN  
Morrison Industrial Equip. Co.  
1226 E. Michigan  
Phone: 5-1035

KANSAS CITY 8, MISSOURI  
Lift Truck Sales & Service, Inc.  
1941 Central Street  
Phone: Victor 6966

KNOXVILLE 17, TENNESSEE  
Dempster Brothers, Inc.  
Springdale Ave. & Southern Railway  
Phone: 4-2776

LITTLE FERRY, NEW JERSEY  
Equipment Distributors, Inc.,  
11 Main Street  
Phone: Hubbard 9-8004

LITTLE ROCK, ARKANSAS  
Fred J. Vandemark Company  
107 Rector Street  
Phone: Franklin 4-1252

LOS ANGELES 22, CALIFORNIA  
Robert H. Braun Company  
5519 Jillson Street  
or P.O. Box 6758  
E. Los Angeles Station  
Phone: RAYmond 3-6381

LOUISVILLE 16, KENTUCKY  
W.A. Marschke & Sons, Inc.  
3311 South 7th Street Road  
Phone: Calhoun 2513

LUBBOCK, TEXAS  
Western Materials Handling Inc.  
2312 Avenue "A"  
Phone: 3-5386

MEMPHIS, TENNESSEE  
Fred J. Vandemark Co.  
1110 Union Avenue  
Phone: 2-8176

MIAMI 35, FLORIDA  
Equip. Co., Inc.  
69 No. West 27th Ave.  
Phone: 64-6136 Parts  
64-4673 Service

## CLARK EQUIPMENT COMPANY, SERVICE DIVISION

### CLARK INDUSTRIAL TRUCK DIVISION AUTHORIZED PARTS AND SERVICE STATIONS

MILWAUKEE 16, WISCONSIN  
Wisconsin Industrial Truck Co., Inc.  
3040 W. Capitol Drive  
Phone: Hiltop 4-9650

MINNEAPOLIS 7, MINNESOTA  
Material Handling Engineers  
4141 Cedar Avenue, South  
Phone: Parkway 4-9571

MONTREAL 9, QUEBEC  
J.H. Ryder Machinery Co., Reg'd.  
8455 Decarie Blvd.  
Phone: Riverside 4-2861

NASHVILLE, TENNESSEE  
Dempster Bros. Inc.  
Foster Ave. at Murfreesboro Rd.  
Phone: 6-1504

NEW HAVEN 15, CONNECTICUT  
C.E. Reutter Corporation  
Amity Road  
P.O. Box 2922, Westville Station  
Phone: Fulton 7-6616

NEW ORLEANS 13, LOUISIANA  
Industrial Truck & Caster Co., Inc.  
3101 Fern Street  
Phone: University 1876

NEW YORK 14, NEW YORK  
George Industrial Equipment Co.  
706 11th Avenue  
Phone: Circle 5-5656

NORFOLK, VIRGINIA  
Highway Machinery & Supply Co., Inc.  
South Military Highway  
P.O. Box 4053  
Phone: 66-5607

OAKLAND 3, CALIFORNIA  
Glen L. Codman Company, Inc.  
10521 Pearmain Street  
Elmhurst Station  
Phone: Sweetwood 8-9100

OKLAHOMA CITY, OKLAHOMA  
Midwestern Engine & Equip. Co., Inc.  
15 S.W. 29th Street  
Phone: Central 2-2527

OMAHA, NEBRASKA  
Christy Equipment Company  
2056 Farnam Street  
Phone: Atlantic 5573

PEORIA 2, ILLINOIS  
R.E. Common Equipment Co.  
1515 South Washington Street  
Phone: 6-8878

PHILADELPHIA 31, PENNSYLVANIA  
Furnival Machinery Company  
Lancaster Avenue at 54th Street  
Phone: TRinity 7-5200

PHOENIX, ARIZONA  
Robert H. Braun Company  
2308 South 11th Street  
Phone: Alpine 8-8951

PINE BLUFF, ARKANSAS  
Soltz Machinery & Supply Company  
(Ross Line Only)  
310 Tennessee Street  
Phone: 7300

PITTSBURGH 33, PENNSYLVANIA  
Material Handling, Inc.  
1323 Pennsylvania Ave., N.S.  
Phone: Allegheny 1-1720

PORTLAND, OREGON  
Robert Dodd Company  
238 N.E. Oregon  
Phone: Fillmore 8491

POTTSVILLE, PENNSYLVANIA  
Furnival Machinery Company  
P.O. Box 533 (Water Street)  
Phone: 4790

RAPID CITY, SOUTH DAKOTA  
South Dakota Equip. Company  
324 East Blvd.  
Phone: FI-2-2646

RICHMOND 21, VIRGINIA  
Highway Machinery & Supply Co., Inc.  
1724 Altamont Avenue  
Phone: 5-2811

ROCHESTER 6, NEW YORK  
Brodie Industrial Trucks, Inc.  
1168 Lexington Avenue  
Phone: Glenwood 8036

ROCKFORD, ILLINOIS  
Modern Handling Equipment, Inc.  
4606 State Street  
Phone: 8-2283

ST. LOUIS 10, MISSOURI  
Materials Handling Equipment Corp.  
5075 Manchester  
Phone: Olive 2-4600

SACRAMENTO, CALIFORNIA  
Glen L. Codman Company, Inc.  
3200 "J" Street  
Phone: Hudson 4-8248

SALEM, VIRGINIA  
Highway Machinery & Supply Co., Inc.  
425 4th Street  
Phone: 2384

SALT LAKE CITY, UTAH  
Foulger Equipment Co.  
1361 South Second West  
Phone: 84-7625

SAN DIEGO, CALIFORNIA  
Robert H. Braun Company  
2208 Imperial Ave.  
Phone: Whitewater 2-3272

SAVANNAH, GEORGIA  
Morgans, Inc.  
111 West Broad Street  
Phone: 5127

SEATTLE 1, WASHINGTON  
Preston Faller  
1921 Minor Avenue  
Phone: Main 4256

SHREVEPORT, LOUISIANA  
Industrial Truck and Caster Company, Inc.  
310 Ricou Street  
Phone: 2-5144

SOUTH BEND 14, INDIANA  
Material Handling Equip. Corp.  
2625 South Michigan Street  
Phone: 6-9260 and 6-9269

SPOKANE 64, WASHINGTON  
Preston Faller  
East 4324 Trent Ave.  
Phone: KEystone 9378

SPRINGFIELD, MASSACHUSETTS  
Brodie Industrial Trucks, Inc.  
116 Nursery Street  
Phone: State 8-9624

SYRACUSE 6, NEW YORK  
Thompson & Johnson Co., Inc.  
P.O. Box 247  
Eastwood Station  
Phone: 73-0249

TAMPA 5, FLORIDA  
Whitmore Industrial Trucks  
1402 Fourth Avenue  
P.O. Box 1241  
Phone: 4-1191 and 4-1192

TOLEDO, OHIO  
Kern Truck Sales, Inc.  
9 North Huron Street  
Phone: Adams 2153

TORONTO 5, ONTARIO  
J.H. Ryder Machinery Co., Ltd.  
1130 Bay Street  
Phone: Walnut 4-6611

TULSA 6, OKLAHOMA  
Arst Midwestern, Inc.  
403 South Peoria  
Phone: 2-3091

VANCOUVER 10, B.C.  
B.C. Conveying Machinery Co.  
3300 Fraser Street  
Phone: Emerald 9241

WASHINGTON, D. C.  
Potomac Industrial Trucks, Inc.,  
500 Main Avenue, S.W.  
Phone: Republic 7-3034

WICHITA, KANSAS  
Lift Truck Sales & Serv., Inc.  
247 Ida Street  
Phone: 4-7144

WINDSOR, ONTARIO  
J.H. Ryder Machinery Company, Ltd.  
1785 Walker Rd.  
Phone: Clearwater 3-1156

WINNIPEG, MANITOBA  
J.H. Ryder Machinery Company, Ltd.  
201 Main Street, West  
Phone: 93-6742

YOUNGSTOWN, OHIO  
Valley Equipment, Inc.  
1554 Poland Avenue

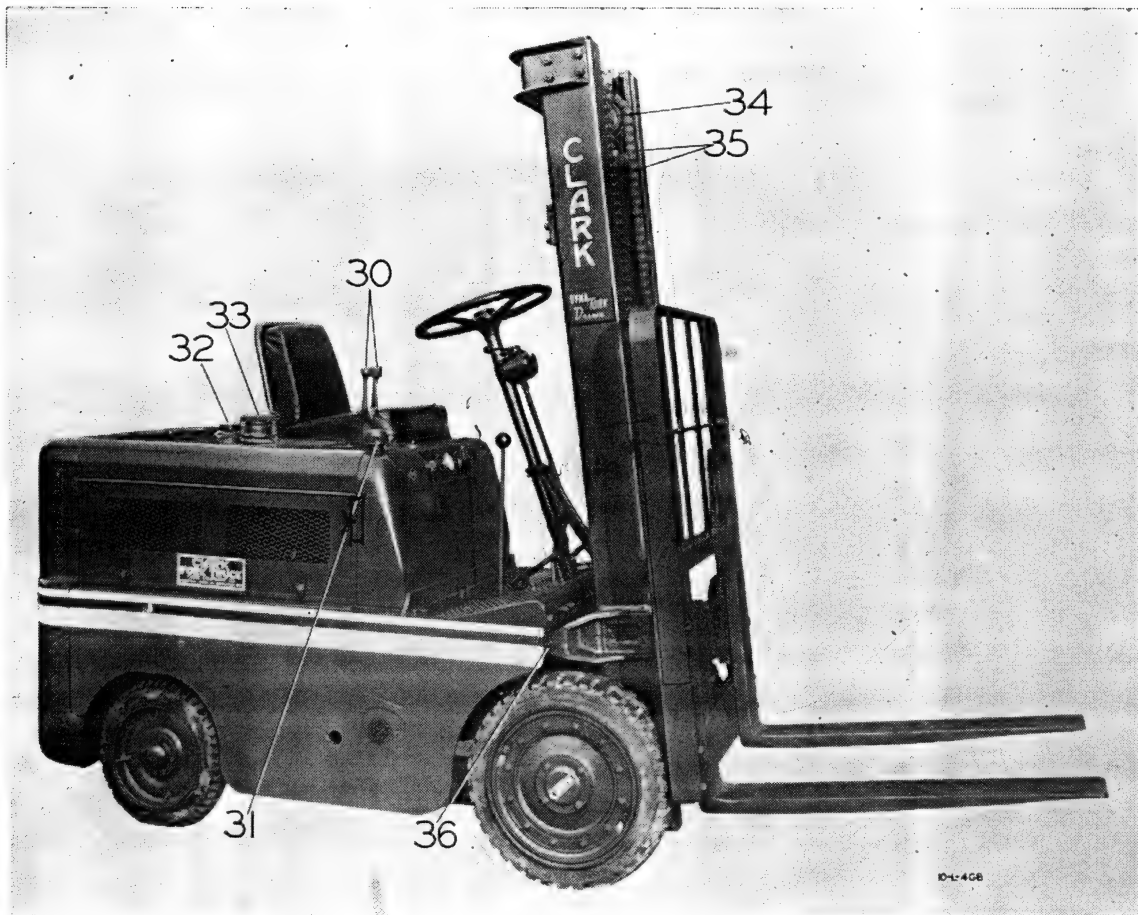


Figure 2 — Three-quarter View of Your Gas Carloader™ Dynatork



1. **Distributor Grease Cup:** Give one complete turn every 40 operating hours and keep filled with No. 2 cup grease. Remove distributor cap and oil under rotor with a drop of light oil every 40 operating hours. Wipe cam lightly with thin film of oil or grease.

2. **Water Pump:** Equipped with a low pressure fitting—use hand grease gun 2 strokes. **Caution:** Use only water pump grease. Lubricate every 40 operating hours.

3-4. **Generator Bearings:** Both front and rear should be lubricated with one or two drops of SAE-10 oil every 40 operating hours.

5. **Crankcase Filler Pipe:** Capacity 4 quarts and one pint in filter. Oil in crankcase is to be changed every 40 operating hours. In temperatures above 32°F., during normal service, SAE-30 oil should be used. In winter months, during normal service, SAE-20 oil should be used except when temperatures are below 0°F., when SAE-10W should be used. (Oil filter cartridge should be changed every time oil is changed.)

6. **Front Starter Bearing:** Should be oiled with one or two drops of SAE-10 oil every 40 operating hours.

7. **Bayonet Oil Gauge (Or Dip Stick):** Check daily for oil level and cleanliness. Oil should indicate to the full mark at all times when machine is standing level.

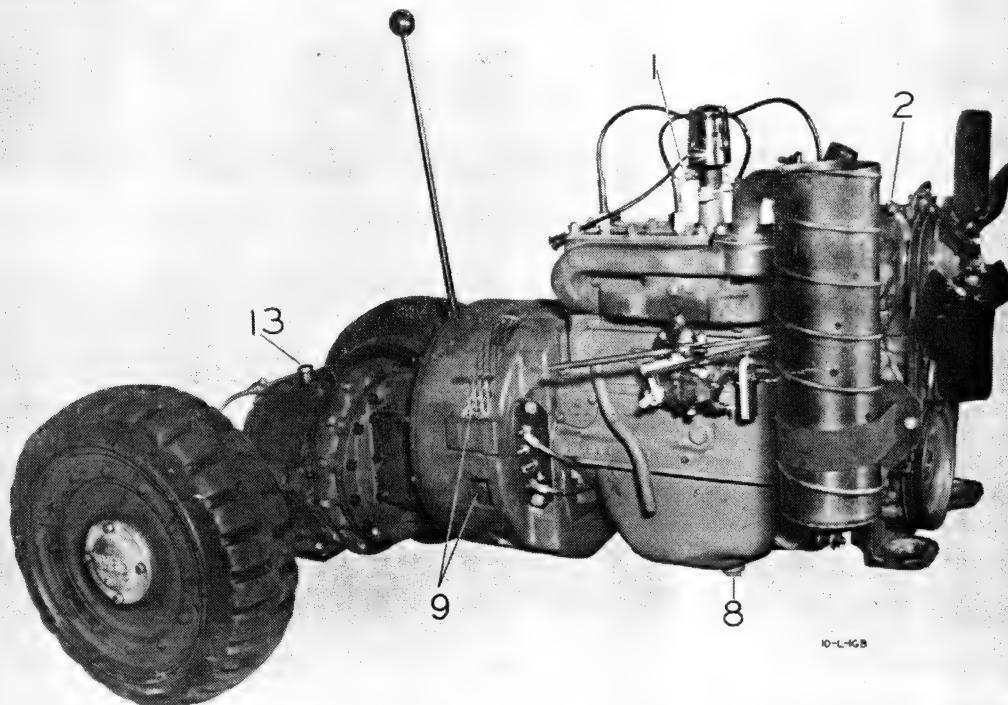
8. **Crankcase Drain Plug:** On lower right hand side of motor. Crankcase should be drained every 40 operating hours and then filled with 4½ quarts of good grade crankcase oil in accordance with No. 5. **Caution:** Always change the oil filter cartridge every time the oil is changed to keep the new oil clean and to keep the internal lubricated parts of the motor free from any unnecessary dirt or grit.

9. **Ventilated Housing:** Clean out with forced air each 40 operating hours. At no time permit screen to become clogged.

10. **Transmission Drain Plug:** Transmission should be drained and flushed out every 1000 operating hours.

11. **Oil Filter Cartridge:** Should be changed each time crankcase oil is changed. Clean bowl before replacing cartridge. (Refer to item No. 8)

12. **Transmission and Differential:** Both are filled from plug in drive axle housing with SAE-90 transmission oil. Capacity is 12 pints. Trans-





mission and differential are so arranged that transmission oil flows freely from differential to transmission when in motion. NOTE: After filling drive axle at No. 12, replace filler plug and drive machine for five minutes to work oil back into transmission. Then refill to plug level. Transmission oil should be checked every 40 operating hours.

13. **Drive Axle Air Vent:** Should be kept free from dust and lint at all times.

14. **Master Brake Cylinder:** (Not Shown) Keep filled to  $\frac{1}{4}$ " of top with a good grade of hydraulic brake fluid.

15. **Differential Drain Plug:** Differential should be drained and flushed every 1000 operating hours and refilled with new oil in accordance with item No. 12.

16-21-22. **Spring Shackles:** High pressure fittings. Two fittings on the rear and one on the front of each spring; total 6. Use semi-fluid chassis lubricant every 40 operating hours.

17-19. **Steering Axle Spindle Pins:** High pressure fittings at top and bottom. Use semi-fluid chassis lubricant every 40 operating hours.

18. **Steering Axle Center Pivot Pin:** High pressure fitting. Requires semi-fluid chassis lubricant every 40 operating hours.

20. **Steering Axle Tie Rods:** High pressure fittings at each end, total 4. Use semi-fluid chassis lubricant every 40 operating hours.

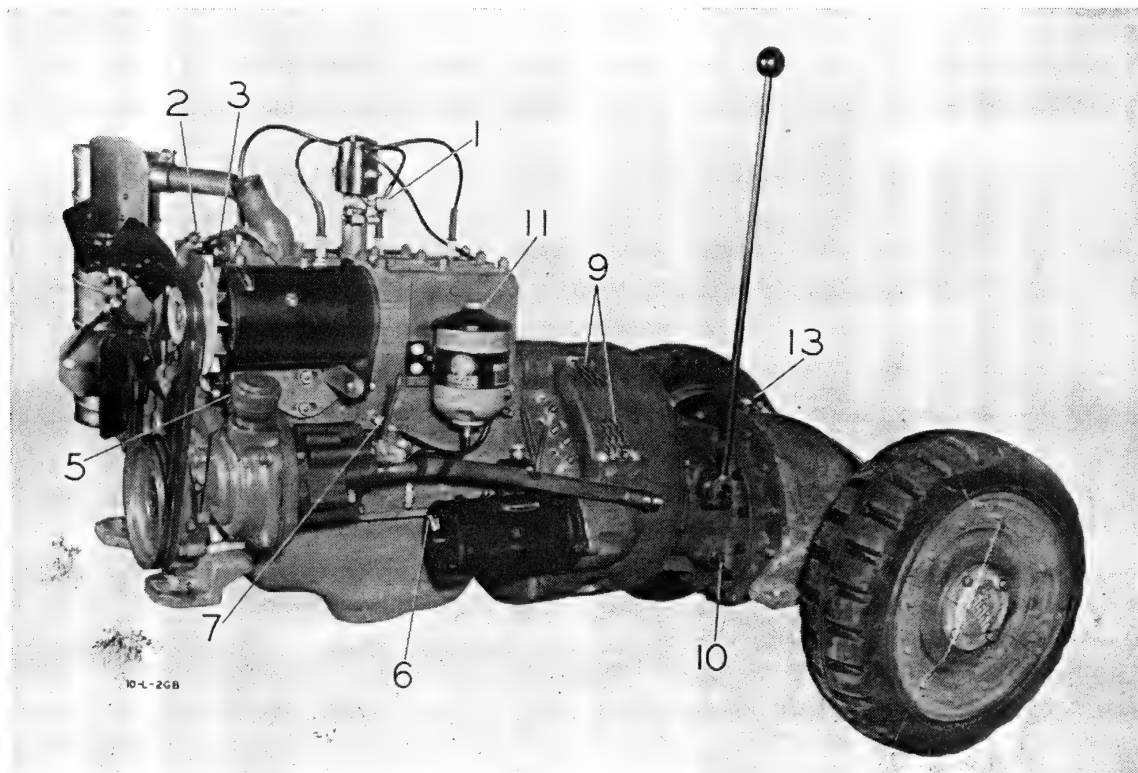
23. **Steering Wheel Bearings:** Pack with standard wheel bearing grease after removing wheels and washing bearings. Wash and repack every 1000 operating hours.

24. **Drag Link:** (Not Shown) High pressure fitting at each end, total 2. Use semi-fluid chassis lubricant every 40 operating hours.

25-26. **Front and Rear Pivot Support Yokes:** Equipped with high pressure fittings and require semi-fluid chassis lubricant every 40 operating hours.

27. **Upright Support Bushings:** Both left and right are equipped with high pressure fittings. Use semi-fluid chassis lubricant every 40 operating hours.

28. **Upright Slide Bracket Bearings:** Both left and right are equipped with four high pressure fittings and require semi-fluid chassis lubricant



10-L-2GB

every 40 operating hours. Make certain thrust rollers operate freely.

29. **Inside of Uprights and Slides:** Clean entire slide assembly and coat with graphite paste every 40 operating hours.

30. **Lift and Tilt Control Levers:** Oil linkage with light oil every 40 operating hours.

31. **Hydraulic Oil Sump and Filler Pipe:** Keep oil at a level that will leave 2 inches of oil in reservoir when forks are raised to a maximum height. Use a straight mineral oil of viscosity similar to SAE-10 engine oil, having a low pour point and non-foaming characteristics and containing oxidation and rust inhibitors.

32. **Radiator:** Always keep filled with water and protected with antifreeze during freezing weather. When draining radiator make sure the motor block is drained by opening drain cock on right hand side of motor. Check radiator daily. Capacity 14 quarts.

33. **Gas Tank Filler:** Capacity of tank; 5 gallons.

34. **Lift Chain Sprocket Bearings:** High pressure fittings, total 2. Use semi-fluid chassis lubricant every 40 operating hours.

35. **Lift Chains:** Lubricate with SAE-10 engine oil. Wipe chains every 40-50 operating hours and apply oil with 1" paint brush.

36. **Tilt Cylinder Pivot Pins:** Equipped with high pressure fittings, total 4. Use semi-fluid chassis grease every 40 operating hours.

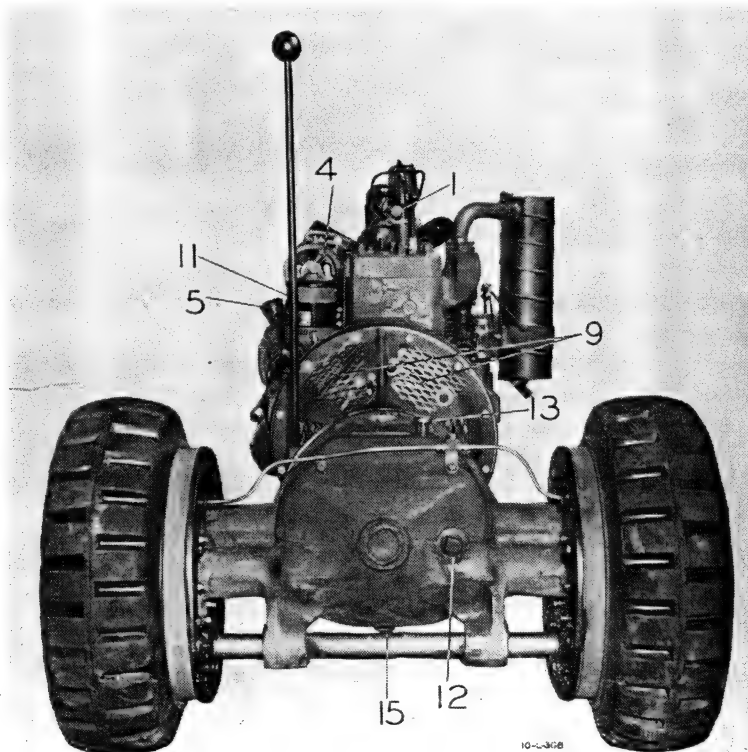
37. **Lift Carriage Roller Pins:** (Not Shown) High pressure fittings, total 4. Require semi-fluid chassis lubricant every 40 operating hours.

38. **Steering Gear Housing:** Lubricate with SAE-140 steering gear lubricant every 40 operating hours in freezing temperatures and SAE-250 in warm temperatures.

39. **Air Cleaner:** Clean and refill oil bath air cleaner cup daily, more frequently under extremely dusty conditions. Ordinary operating conditions require servicing element every 40 operating hours. Clean the filter element by immersing in a dry cleaning solvent and drying with compressed air. Refill to oil level with SAE-30 in summer temperatures and SAE-20 in winter temperatures.

40. **Battery:** Located under the hood. Plates must be covered  $\frac{3}{8}$ " with distilled water. Check battery every 120 operating hours. Clean terminals with ammonia and coat them with vaseline.

41. **Drive Axle Spur Gears:** These gears are lubricated with a high grade lubricant during assembly at the factory and require no further lubrication during the life of the machine.



## HOW TO ORDER PARTS

In order to avoid delay, unnecessary correspondence, and have your orders filled correctly and promptly and at the least possible expense, it is absolutely necessary that you cooperate with us in the following:

### WHEN ORDERING PARTS:

Always order from our nearest parts distributor.

Advise where we should ship your parts; quantity of each part you require, listing the part number and description.

We must have a purchase order number on each order.

On all orders ALWAYS GIVE US THE SERIAL NUMBER OF YOUR MACHINE.

### TERMS

All prices are F.O.B. Battle Creek, Michigan, U.S.A. Order from individuals not accompanied by cash will be sent C.O.D.

Our responsibility ceases when parts are delivered in good condition to the transportation companies.

Claims for damages in transit are to be made by the consignee.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

### WHEN RETURNING PARTS FOR ANY PURPOSE

All packages or boxes should be plainly tagged with sender's name and identification when received.

Full particulars of shipment should be mailed to factory at time shipment goes forward.

Prepay all transportation charges.

Do not return for exchange or credit, parts which have been worn through use or damaged by accident.

Material on which replacement or credit is expected must be returned, all charges prepaid, as soon as possible. Do not delay or you may lose your claim.

**CLARK EQUIPMENT COMPANY**

*Industrial Truck Division*

**BATTLE CREEK, MICHIGAN, U. S. A.**

## CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION

### Clark Industrial Truck Division Authorized Parts and Service Stations

(Bold face type indicates combined Sales and Service representation)

#### ALBANY, NEW YORK

Industrial Truck Sales, Inc.  
Broadway at 25th Street  
Watervliet, New York  
Phone: Watervliet 2278

#### BALTIMORE 2, MARYLAND

Fallsway, Spring & Equipment Company  
Fallsway at Lexington Street  
Phone: Lexington 0560

#### BIRMINGHAM, ALABAMA

M-H Equipment Company  
845 Lomb Avenue  
Phone: 56-3121

#### BOSTON, MASSACHUSETTS

Brodie Industrial Truck Sales, Inc.  
50 Commercial Street  
Phone: Malden 4-3411

#### BROOKLYN 31, NEW YORK

Bond Industrial Maintenance Company  
289 Bond Street  
Phone: MAine 5-3434

#### BUFFALO, NEW YORK

Brodie Industrial Trucks, Inc.  
1450 Michigan Avenue  
Phone: Garfield 6440

#### CHICAGO 21, ILLINOIS

Lift Truck Service Company  
6919 South Halsted Street  
Phone: Hudson 3-8410

#### CINCINNATI 14, OHIO

Robert C. Young & Co.  
1454 34th Avenue  
Phone: Elmhurst 0360

#### CLEVELAND, OHIO

Material Handling Equipment Corp.  
2425 St. Clair Avenue  
Phone: Cherry 1-6930

#### DALLAS, TEXAS

Truck Equipment Company  
2409 Commerce Street  
Phone: R-9416

#### DAVENPORT, IOWA

The All-Wheel-Drive Company  
1344 West Third Street  
Phone: 3-9235

#### DENVER 4, COLORADO

Fork Lift Truck Service Company  
2855 West 8th Avenue  
Phone: AComa 4041

#### DETROIT 13, MICHIGAN

Industrial Truck Service, Inc.  
8815 Harper Avenue  
Phone: Walnut 1-9143

#### FRESNO, CALIFORNIA

Robert H. Braun Company  
444 Blackstone Avenue  
Phone: 6-1294

#### GRAND RAPIDS, MICHIGAN

Industrial Truck Service, Inc.  
3322 Jefferson Avenue, S. E.

#### GREENSBORO, NORTH CAROLINA

Industrial Truck Sales & Service Corp.  
102 North Barnhart Street  
Phone: 3-2856

#### HONOLULU 7, HAWAII

Pressed Steel Company  
P.O. Box 8  
385 Reed Lane  
Phone: 57162

#### INDIANAPOLIS 5, INDIANA

W. A. Marschke & Sons  
1121 East 46th Street  
P. O. Box 5356  
Phone: Broadway 5468

#### KANSAS CITY 8, MISSOURI

Lift Truck Sales & Service, Inc.  
1941 Central Street  
Phone: Victor 6966

#### LOS ANGELES, CALIFORNIA

Robert H. Braun Company  
5519 Jillson Street  
Phone: Angelus 2-2145

#### MALDEN 48, MASSACHUSETTS

See Boston, Mass.

#### MEMPHIS 3, TENNESSEE

Fred J. Vandemark Company  
1110 Union Avenue  
Phone: 2-8177

#### MILWAUKEE 10, WISCONSIN

Wisconsin Industrial Truck Co., Inc.  
3429 West Fond du Lac Avenue  
Phone: Hilltop 2-8110

#### MINNEAPOLIS 14, MINNESOTA

Smith-Dunn Company, Inc.  
2301 University Avenue, S. E.  
Phone: Gladstone 7927

#### MONTREAL 14, QUEBEC

J. H. Ryder Machinery Co.  
15 Moliere Street  
Phone: Talon 7286

#### NEW HAVEN, 15, CONNECTICUT

C. E. Reutter Corporation  
66 Amity Road  
P. O. Box 2922, Westville, Station  
Phone: 3-2565

#### NEW YORK 14, NEW YORK

Bond Industrial Maintenance Company  
51 Clarkson, Corner Greenwich Street  
Phone: Watkins 4-0450

#### NORFOLK, VIRGINIA

McLean Equipment, Inc.  
959 West 21st Street  
Phone: 58226 — 58227

#### OAKLAND 3, CALIFORNIA

Glen L. Codman Company  
10521 Pearmain Street  
Elmhurst Station  
Phone: Sweetwood 8-9100

#### PHILADELPHIA 44, PENNSYLVANIA

Philadelphia Engine Rebuilders, Inc.  
330 West Queen Lane  
Phone: Tennessee 9-6011

#### PHOENIX, ARIZONA

Robert H. Braun Company  
c/o Blair & Claver Motor Company  
227 North 11th Street  
Phone: 3-6343

#### PITTSBURGH 12, PENNSYLVANIA

Material Handling, Inc.  
1323 Pennsylvania Avenue, N.E.  
Phone: Allegheny 1-1720

#### ST. LOUIS, MISSOURI

Fork Lift Truck Service Company  
511 North Channing Avenue  
Phone: Jefferson 0835

#### SEATTLE 1, WASHINGTON

Preston Faller Company  
1921 Minor Avenue  
Phone: MAIN 4256

#### SOUTH BEND 14, INDIANA

Materials Handling Equipment Corp.  
2625 South Michigan Street  
Phone: 6-8041

#### TAMPA, FLORIDA

J. B. Hardin Hardware, Inc.  
2209 East Broadway Avenue  
Phone: Y-1420

#### TOLEDO, OHIO

Fork Lift Service Company  
5015 Lewis Avenue  
Phone: Klondike 1421

#### TORONTO 5, ONTARIO

J. H. Ryder Machinery Co., Ltd.  
1130 Bay Street  
Phone: Kingsdale 2133

#### TULSA 3, OKLAHOMA

Midwestern Engine & Equipment Co., Inc.  
105 North Boulder  
Phone: 34113

#### VANCOUVER, B. C.

National Machinery Co., Ltd.  
Granville Island  
Phone: Marine 1251 and 1252

#### WATERVLIET, NEW YORK

See Albany, New York

# **GENUINE CLARK PARTS**

Are Obtainable From Your Nearest

**Authorized Parts and Service Station**

(See Page L for List and Location)

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**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

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**ENGINE ASSEMBLY**

Item	Part No.	DESCRIPTION	No.
			Req'd
1	857990	Engine Assembly (complete with Generator, Starter, Distributor, Ignition Wires, Spark Plugs, Air Cleaner, Fan, Fan Belts, Hydraulic Pump and Flywheel Housing).....	1
2	625512	Engine Assembly (Less accessories — but with Hydraulic Pump Adapter, Water Pump, Distributor Adapter, Flywheel Housing) .....	1
3	857996	Engine Assembly (Less accessories — but with Hydraulic Pump, Water Pump, Distributor Adapter, Flywheel Housing, Hydraulic Pump Adapter).....	1
4	857997	Engine Assembly (With accessories and Flywheel Housing, less Hydraulic Pump and Pump Drive Gear).....	1
5	857998	Cylinder and Crankcase Short Block Assembly (complete less Water Pump, Oil Pan, Intake and Exhaust Manifold, Timing Gear Cover and Accessories) but with Flywheel Housing.....	1
6	853127	Engine Gasket Repair Kit (included in item 5).....	1

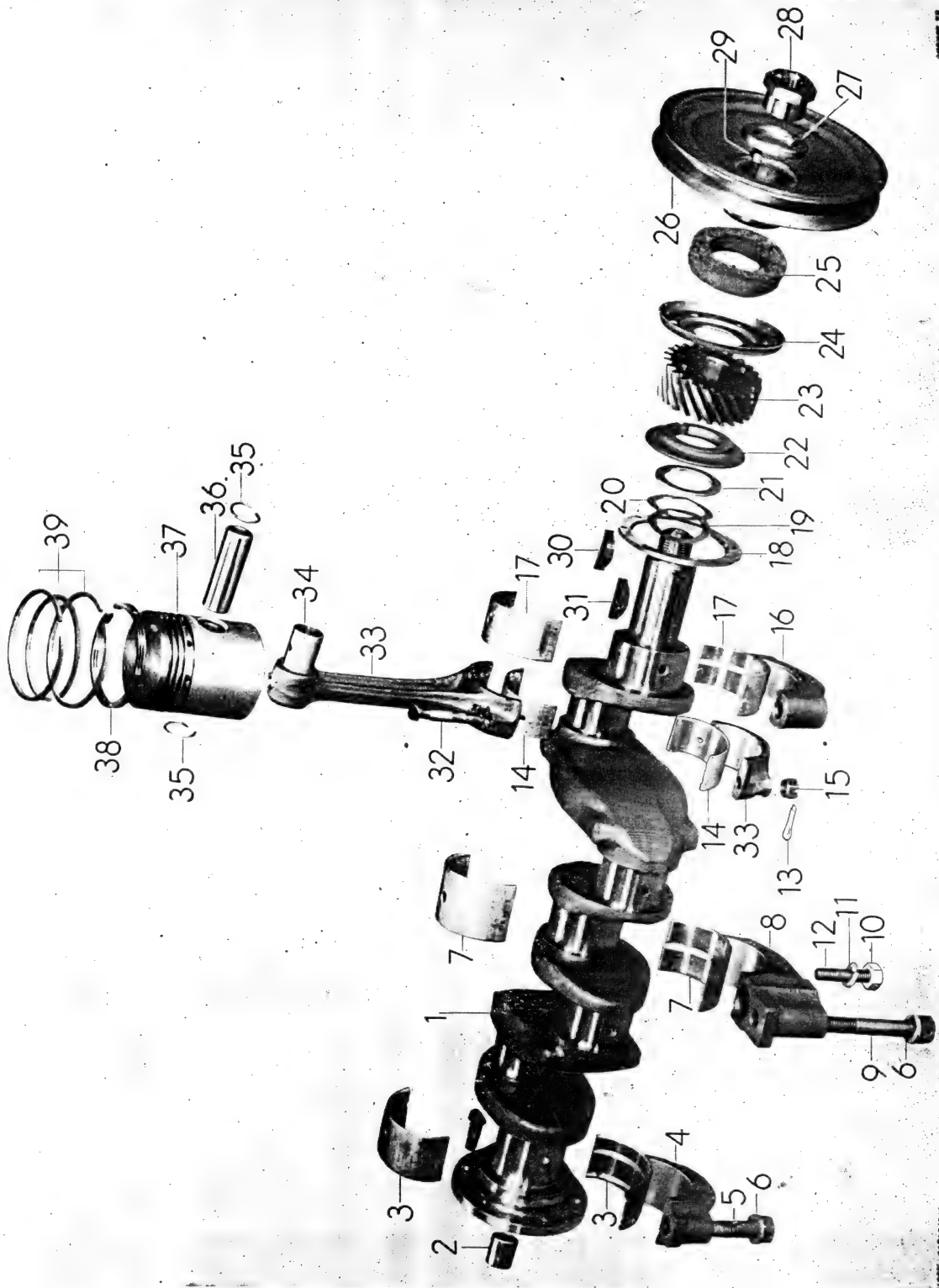


Figure 1 — Crankshaft, Crankshaft Bearings, Connecting Rods, Piston, Piston Rings and Parts

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**CRANKSHAFT, CRANKSHAFT BEARINGS, CONNECTING RODS, PISTONS,  
PISTON RINGS AND PARTS (Fig. 1)**

Item	Part No.	LOCATION	DESCRIPTION	No. Req'd
1	858000		Crankshaft Assembly (Includes Item 2) .....	1
2	850503		Crankshaft Bushing .....	1
3	858001		Crankshaft Main Bearing — Rear — Upper and Lower .....	1
4	852029		Crankshaft Main Bearing Cap — Rear .....	1
5	3C-840		Crankshaft Main Bearing Cap Screw .....	5
6	850801		Crankshaft Main Bearing Cap Screw Washer .....	6
7	858002		Crankshaft Main Bearing — Center — Upper and Lower .....	1
8	852028		Crankshaft Main Bearing Cap — Center .....	1
9	850800		Crankshaft Main Bearing Cap Screw — Center .....	1
10	1D-06		Oil Pump Body to Bearing Cap Stud Nut — Center .....	1
11	4E-06		Oil Pump Body to Bearing Cap Stud Nut Lockwasher — Center .....	1
12	853334		Oil Pump Body to Bearing Cap Stud .....	1
13	1F-312		Connecting Rod Bolt Nut Cotter Pin .....	8
14	853422		Connecting Rod Bearings — Upper and Lower — for Cylinders 1-3 ...	2
15	851010		Connecting Rod Bolt Nut .....	8
16	852027		Crankshaft Main Bearing Cap — Front .....	1
17	858003		Crankshaft Main Bearing iKt — Front — Upper and Lower .....	1
18	850805		Crankshaft Thrust Washer .....	2
19	850807		Crankshaft Thrust Shim .002 .....	A.R.
20	850808		Crankshaft Thrust Shim .008 .....	A.R.
21			Not used on this Model .....	
22	850804		Crankshaft Thrust Plate .....	1
23	851118		Crankshaft Timing Gear .....	1
24	850809		Crankshaft Oil Thrower .....	1
25	851208		Fan Drive Pulley Seal .....	1
26	857709	D4-24	Fan Drive Pulley (Not as shown) .....	1
27	851207		Fan Drive Pulley to Crankshaft Nut Washer .....	1
28	851206		Fan Drive Pulley to Crankshaft Nut .....	1
29	850642		Fan Drive Pulley to Crankshaft Keyway Plug .....	1
30	5J-808		Fan Drive Pulley to Crankshaft Key .....	1
31	5J-808		Crankshaft Timing Gear to Crankshaft Key .....	1
32	851009		Connecting Rod Bolt .....	8
33	852051		Connecting Rod Assembly — Cyl. 1-3 (Includes Bearings, Bushings, Bolts and Nuts) .....	2
34	852037		Piston Pin Bushing .....	4
35	857714		Piston Pin Retaining Ring .....	8
36	851066		Piston Pin .....	4
37	856788		Piston, Aluminum — Standard .....	4
38	857267		Piston Ring — Bottom Groove — Standard .....	4
39	857423		Piston Ring — 2nd and 3rd Groove — Standard .....	8
40	850617		Crankshaft to Flywheel Bolt .....	6
41	852052		Connecting Rod Assembly — Cyl. 2-4 (Includes Bearings, Bushings, Bolts and Nuts) .....	2
42	853414		Connecting Rod Bearing — Upper and Lower — Cyl. 2-4 .....	2
43			Not used on this Model .....	
44	201553-10		Crankshaft Main Bearing Cap to Cylinder Screw Lockwire — Front and Rear .....	2
45	201553-12		Crankshaft Main Bearing Cap to Cylinder Screw Lockwire — Center .....	1
46	857422		Piston Ring — First Groove .....	4
47	857424		Piston Ring Expander — Bottom Groove .....	4
48	857431		Piston Ring Set (Standard) .....	1



# NOTES

## OVERSIZE PISTONS, PINS AND RING KITS

Item	Part No.	DESCRIPTION	No. Req'd
1	856789	Piston (.010 oversize) .....	6
2	856790	Piston (.020 oversize) .....	6
3	856791	Piston (.030 oversize) .....	6
4	856792	Piston (.040 oversize) .....	6
5	856793	Piston (.050 oversize) .....	6
6	856794	Piston (.060 oversize) .....	6
7	856795	Piston (Semi-Finished) .....	6
8	857456	Piston Ring Kit (.010 oversize) .....	1
9	857457	Piston Ring Kit (.020 oversize) .....	1
10	857458	Piston Ring Kit (.030 oversize) .....	1
11	857459	Piston Ring Kit (.040 oversize) .....	1
12	857460	Piston Ring Kit (.050 oversize) .....	1
13	857461	Piston Ring Kit (.060 oversize) .....	1
14	851067	Piston Pin (.003 oversize) .....	6
15	851068	Piston Pin (.005 oversize) .....	6

# **When Was The AIR CLEANER Last Cleaned?**



Be Sure It Is Cleaned

**EVERY 8 OPERATING HOURS**

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**UNDERSIZE MAIN AND CONNECTING ROD BEARINGS**

Item	Part No.	DESCRIPTION	No. Req'd
1	858004	Crankshaft Main Bearing Kit (Front .002 Undersize) .....	1
2	858008	Crankshaft Main Bearing (Center .002 Undersize) .....	1
3	858012	Crankshaft Main Bearing (Rear .002 Undersize) .....	1
4	858005	Crankshaft Main Bearing Kit (Front .010 Undersize) .....	1
5	858009	Crankshaft Main Bearing (Center .010 Undersize) .....	1
6	858013	Crankshaft Main Bearing (Rear .010 Undersize) .....	1
7	858006	Crankshaft Main Bearing Kit (Front .020 Undersize) .....	1
8	858010	Crankshaft Main Bearing (Center .020 Undersize) .....	1
9	858014	Crankshaft Main Bearing (Rear .020 Undersize) .....	1
10	858007	Crankshaft Main Bearing Kit (Front .030 Undersize) .....	1
11	858011	Crankshaft Main Bearing (Center .030 Undersize) .....	1
12	858015	Crankshaft Main Bearing (Rear .030 Undersize) .....	1
13	853423	Connecting Rod Bearing (1 and 3 — Upper and Lower .002 Under- size) .....	2
14	853415	Connecting Rod Bearing (2 and 4 — Upper and Lower .002 Under- size) .....	2
15	853424	Connecting Rod Bearing (1 and 3 — Upper and Lower .010 Under- size) .....	2
16	853416	Connecting Rod Bearing (2 and 4 — Upper and Lower .010 Under- size) .....	2
17	853425	Connecting Rod Bearing (1 and 3 — Upper and Lower .020 Under- size) .....	2
18	853417	Connecting Rod Bearing (2 and 4 — Upper and Lower .020 Under- size) .....	2
19	853426	Connecting Rod Bearing (1 and 3 — Upper and Lower .030 Under- size) .....	2
20	853418	Connecting Rod Bearing (2 and 4 — Upper and Lower .030 Under- size) .....	2
21	853208	Connecting Rod Bearing (1 and 3 — Upper and Lower .040 Under- size) .....	2
22	853207	Connecting Rod Bearing (2 and 4 — Upper and Lower .040 Under- size) .....	2
23	853348	Connecting Rod Bearing (1 and 3 — Upper and Lower .050 Under- size) .....	2
24	853349	Connecting Rod Bearing (2 and 4 — Upper and Lower .050 Under- size) .....	2
25	853429	Connecting Rod Bearing (1 and 3 — Upper and Lower Semi Fin- ished) .....	2
26	853421	Connecting Rod Bearing (2 and 4 — Upper and Lower Semi Fin- ished) .....	2

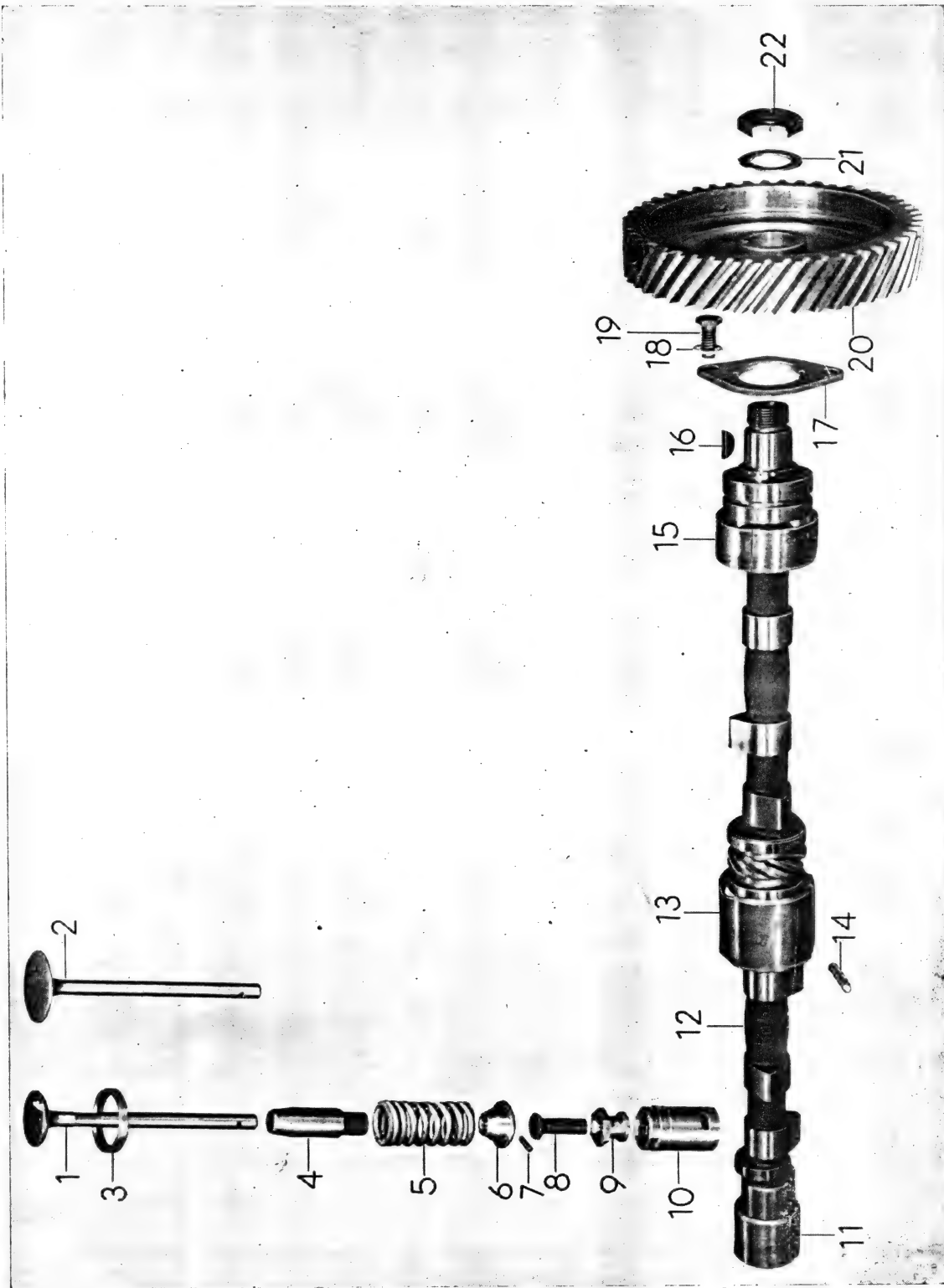


Figure 2 — Camshaft, Valves, Tappets and Timing Gear

## CAMSHAFT, VALVES, TAPPETS AND TIMING GEAR (Fig. 2)

Item	Part No.	DESCRIPTION	No. Req'd
1	851109	Exhaust Valve ..... <i>1M012902</i> <i>D3-14</i> <del>D4-13</del>	4
2	851108	Intake Valve ..... <i>D3-14</i> <del>D4-13</del>	4
3	851110	Exhaust Valve Seat Inserts — .010 O.S. ....	4
4	852033	Valve Stem Guide .....	8
5	850575	Valve Spring ..... <i>1M012903</i> <i>D3-14</i>	8
6	852058	Valve Spring Retainer .....	8
7	850183	Valve Spring Retainer Lock .....	8
8	850185	Valve Spring Adjusting Screw .....	8
9	850186	Valve Tappet Adjusting Screw Nut .....	8
10	850401	Valve Tappet ..... <i>1M012523</i> <i>E2-57</i>	8
11	854594	Camshaft Bushing — Rear .....	1
12	852042	Camshaft .....	1
13	854593	Camshaft Bushing — Center .....	1
14	851077	Camshaft Bushing to Crankcase Pin .....	1
15	854595	Camshaft Bushing — Front .....	1
16	5J-505	Camshaft Timing Gear to Camshaft Key .....	1
17	850159	Camshaft Thrust Plate .....	1
18	6E-05	Camshaft Thrust Plate Screw Lockwasher .....	2
19	851128	Camshaft Thrust Plate Screw .....	2
20	852041	Camshaft Timing Gear .....	1
21	850166	Camshaft Timing Gear Plain Washer .....	1
22	850165	Camshaft Timing Gear Nut .....	1

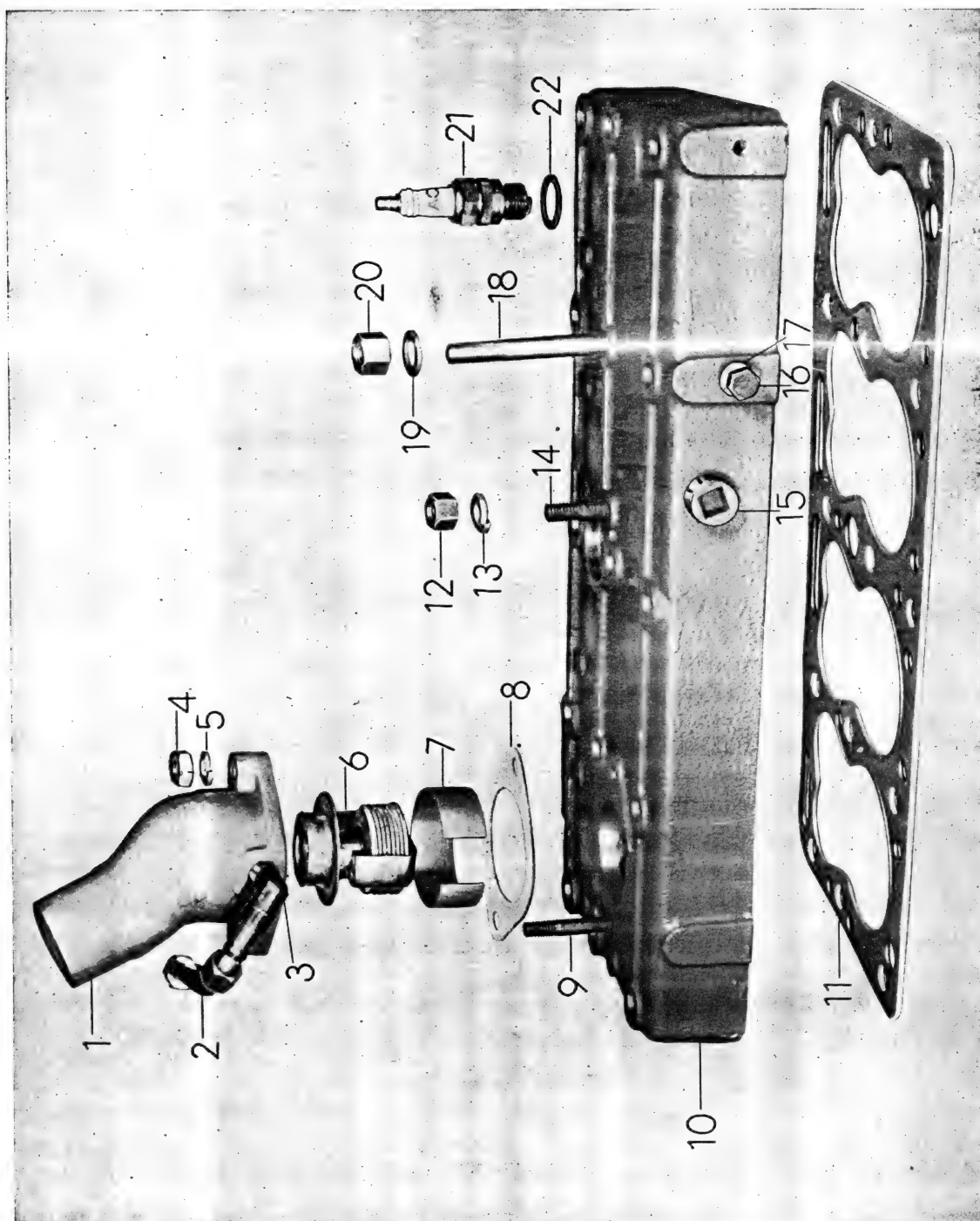


Figure 3 — Cylinder Head, Thermostat, Water Outlet Elbow and Recirculating Tube

**CYLINDER HEAD, THERMOSTAT, WATER OUTLET ELBOW  
AND RECIRCULATING TUBE (Fig. 3)**

Item	Part No. LOCATION	DESCRIPTION	No. Req'd
1	852098	Water Outlet Elbow .....	1
2	852099	Water Recirculating Tube .....	1
3	852100	Water Recirculating Tube Elbow (Includes Nut and Ferrule) .....	2
4	1D-05	Water Outlet Elbow Stud Nut .....	2
5	2E-05	Water Outlet Elbow Stud Nut Lockwasher .....	2
6	850627	Thermostat .....	1
7	850628	Thermostat Adaptor .....	1
8	850626 <i>D.B.</i>	Water Outlet Elbow to Cylinder Head Gasket .....	1
9	851367	Water Outlet Elbow to Cylinder Head Stud .....	2
10	858016	Cylinder Head .....	1
11	852047 <i>D.B.</i>	Cylinder Head to Cylinder Gasket .....	1
12	1D-06	Distributor Adaptor to Cylinder Head Stud Nut .....	1
13	4E-06	Distributor Adapter to Cylinder Head Stud Nut Lockwasher .....	1
14	851137	Distributor Adaptor to Cylinder Head Stud .....	1
15	14F-08	Cylinder Head Thermometer Hole Pipe Plug .....	1
16	852048	Cylinder Head Plugging Screw .....	2
17	2E-05	Cylinder Head Plugging Screw Lockwasher .....	2
18	852036	Cylinder Head to Cylinder Stud .....	15
19	852045	Cylinder Head to Cylinder Stud Washer .....	15
20	852046	Cylinder Head to Cylinder Stud Nut .....	15
21	617892	Spark Plug .....	4
22	852050	Spark Plug Gasket .....	4
23	858017	Cylinder Head Plugging Screw .....	2
24	851374	Cylinder Head Plugging Screw Copper Washer .....	2
25	611756	Spark Plug Cover .....	4



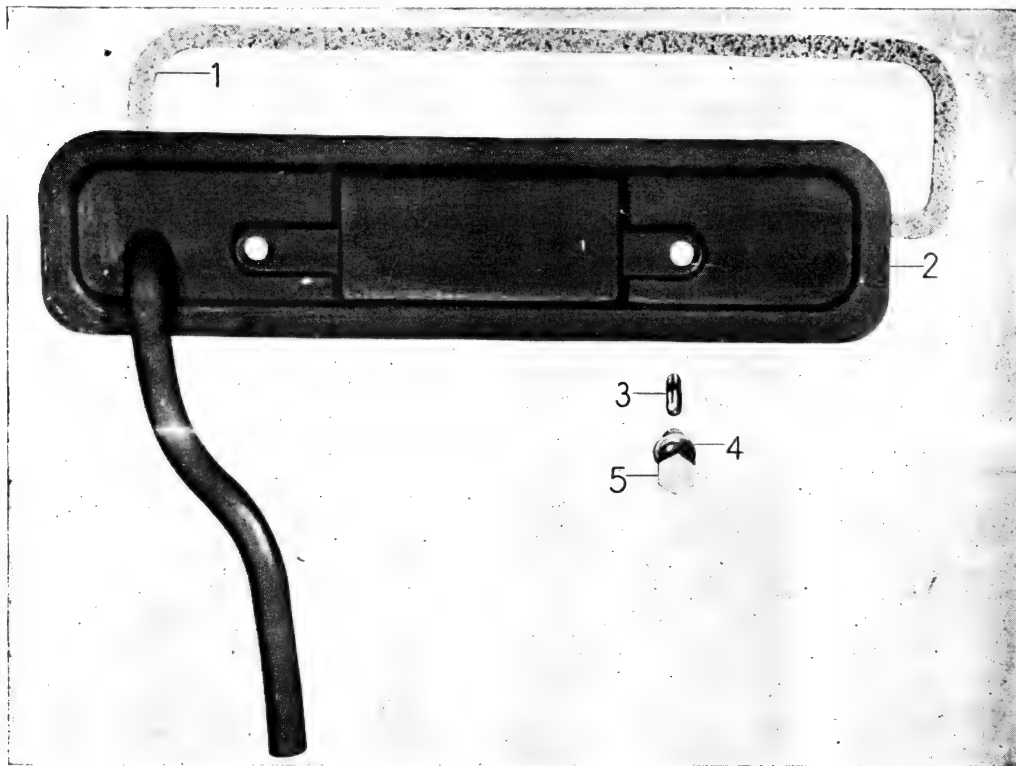


Figure 4 — Valve Tappet Chamber Cover Assembly

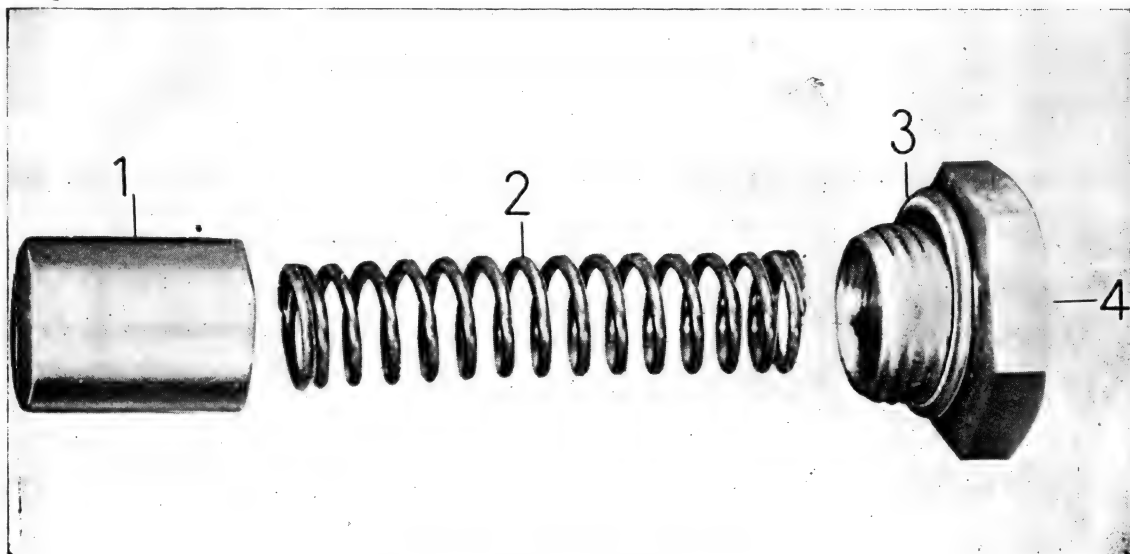


Figure 5 — Oil Pressure Relief Valve

**VALVE TAPPET CHAMBER COVER ASSEMBLY (Fig. 4)**

Item	Part No. LOCATION	DESCRIPTION	No. Req'd
1	852196 <i>H B</i>	Valve Tappet Chamber Cover to Cylinder Gasket .....	1
2	852195	Valve Tappet Chamber Cover Assembly .....	1
3	852030	Valve Tappet Chamber Cover to Cylinder Stud .....	2
4	851106	Valve Tappet Chamber Cover to Cylinder Stud Nut Gasket .....	2
5	851064	Valve Tappet Chamber Cover to Cylinder Stud Nut .....	2

**OIL PRESSURE RELIEF VALVE (Fig. 5)**

1	850204	Oil Pressure Relief Valve .....	1
2	857294	Oil Pressure Relief Valve Spring .....	1
3	850615	Oil Pressure Relief Valve Plug Gasket .....	1
4	850614	Oil Pressure Relief Valve Plug .....	1
5	850613	Oil Pressure Relief Valve Adjusting Washer .....	A.R.

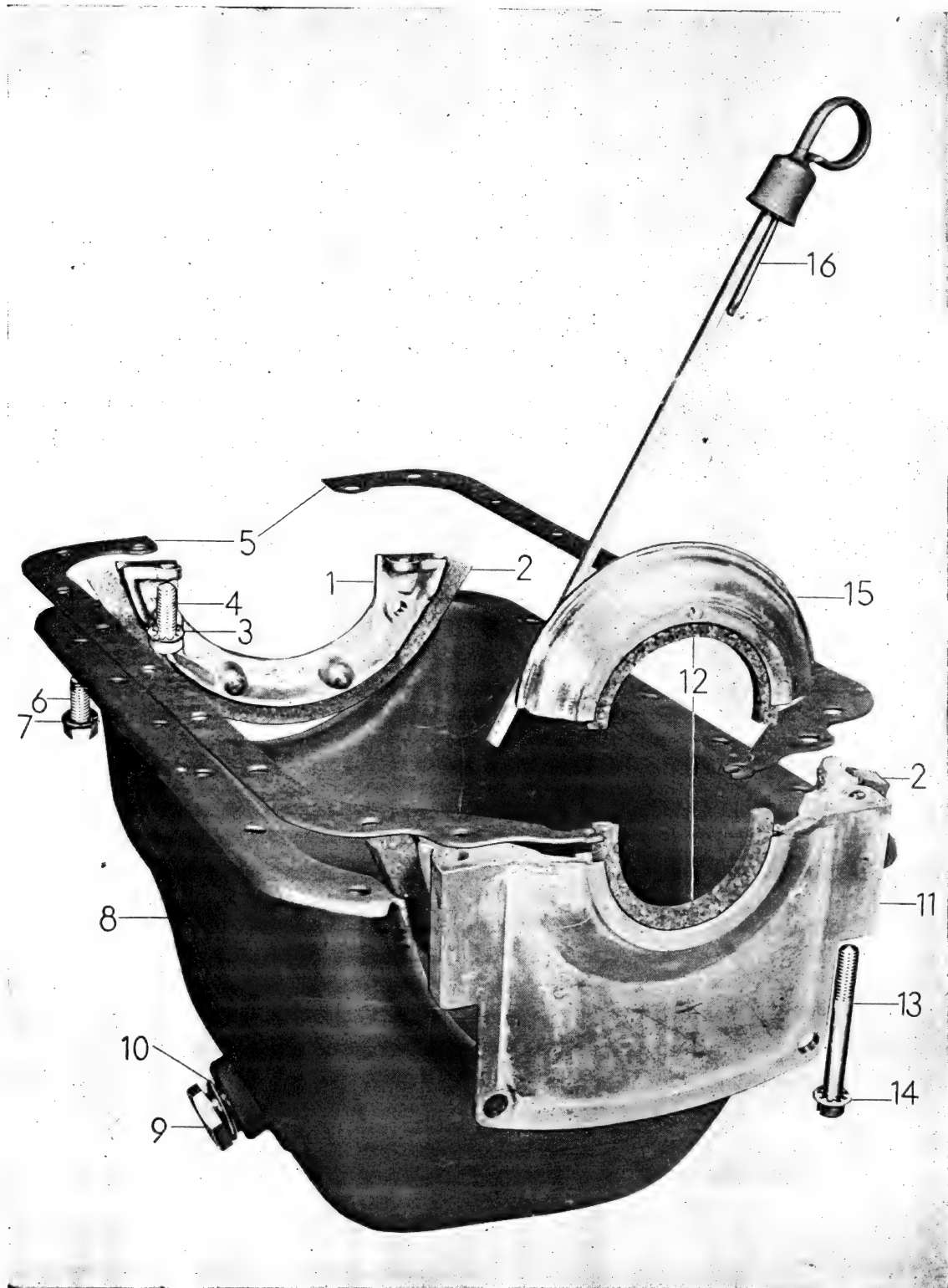


Figure 6 — Oil Pan, Filler Blocks, Gaskets and Oil Bayonet Gauge

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

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**OIL PAN, FILLER BLOCKS, GASKETS AND OIL BAYONET GAUGE (Fig. 6)**

Item	Part No.	DESCRIPTION	No. Req'd
1	850558	Filler Block — Front .....	1
2	850561	Filler Block to Oil Pan Cork — Front and Rear .....	2
3	6E-05	Filler Block to Crankcase Screw Lockwasher .....	2
4	9G-514	Filler Block to Crankcase Screw .....	2
5	855673 <i>H.B.</i>	Oil Pan Gasket .....	2
6	1C-512	Oil Pan to Crankcase Screw .....	15
7	2E-05	Oil Pan to Crankcase Screw Lockwasher .....	15
8	852059	Oil Pan Assembly .....	1
9	857712	Oil Pan Drain Plug .....	1
10	850587 <i>H.B.</i>	Oil Pan Drain Plug Gasket .....	1
11	850560	Filler Block — Rear .....	1
12	855674 <i>H.B.</i>	Filler Block to Crankcase Cork — Rear .....	2
13	857535	Filler Block to Crankcase Screw .....	2
14	6E-05	Filler Block to Crankcase Screw Lockwasher .....	2
15	850563	Crankshaft Bearing Oil Guard — Rear .....	1
16	858018	Oil Bayonet Gauge Rod Assembly (Includes Item 17) .....	1
17	858019	Oil Bayonet Gauge Rod Felt .....	1
18	851140	Oil Bayonet Gauge Rod Support — In Crankcase .....	1

# **GENUINE CLARK PARTS**

Are Obtainable from Your Nearest

**Authorized Parts and Service Stations**

(See Page M for List and Location)

## HOLE COVERS AND PLUGS

Item	Part No.	DESCRIPTION	No. Req'd
1	852497	Fuel Pump Hole Cover .....	1
2	602328	Fuel Pump Hole Cover to Cylinder Stud .....	2
3	1D-05	Fuel Pump Hole Cover to Cylinder Stud Nut .....	2
4	2E-05	Fuel Pump Hole Cover to Cylinder Stud Lockwasher .....	2
5	851214	Fuel Pump Hole Cover to Cylinder Gasket .....	1
6	12F-108	Camshaft Bushing Hubbard Plug — Rear .....	1
7	12F-202	Cylinder Core Hole Hubbard Plug — End .....	1
8	12F-106	Cylinder Core Hole Hubbard Plug — Side .....	2
9	14F-04	Crankcase Oil Header Pipe Plug — Countersunk — Special .....	2
10	14F-04	Crankcase Oil Cross Drill Pipe Plug — Countersunk — Special .....	1

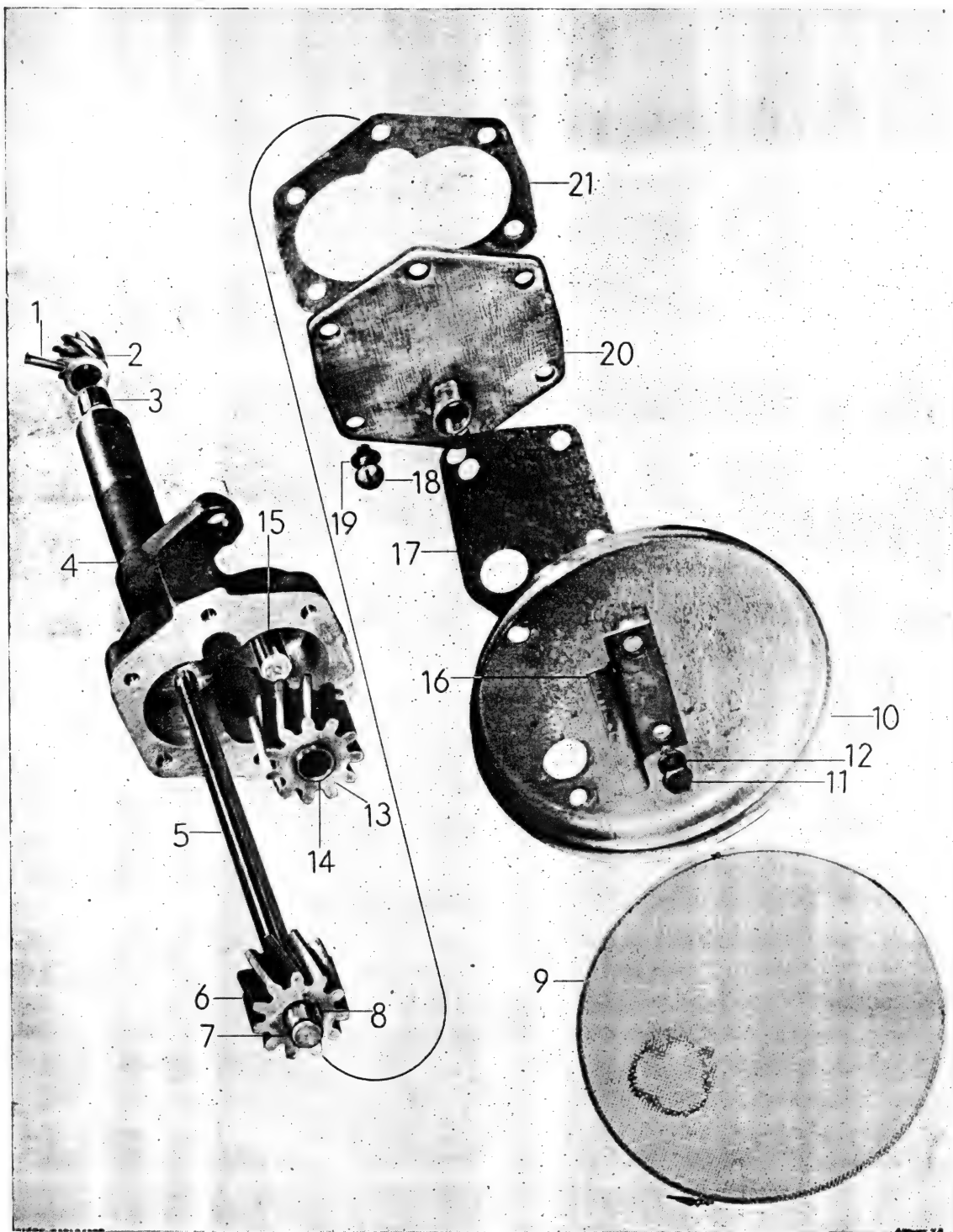


Figure 7 — Oil Pump Assembly and Parts

## OIL PUMP ASSEMBLY AND PARTS (Fig. 7)

Item	Part No.	DESCRIPTION	No. Req'd
	857393	Oil Pump Assembly (Includes Items 1 through 21).....	1
1	857375	Oil Pump Drive Gear to Shaft Pin .....	1
2	850594	Oil Pump Drive Gear (at Camshaft).....	1
3	851136	Oil Pump Drive Shaft Bushing .....	1
4	857374	Oil Pump Body Assembly (Includes Item 3).....	1
5	852061	Oil Pump Drive Shaft .....	1
6	855736	Oil Pump Driver Gear .....	1
7	850592	Oil Pump Drive Shaft Snap Ring .....	1
8	5J-404	Oil Pump Driver Gear to Drive Shaft Key .....	1
9	850603	Oil Pump Strainer Screen Assembly .....	1
10	850600	Oil Pump Strainer Screen Frame .....	1
11	1C-410	Oil Pump Strainer Screen Frame to Body Screw .....	4
12	4E-04	Oil Pump Strainer Screen Frame to Body Screw Lockwasher .....	4
13	857368	Oil Pump Idler Gear .....	1
14		Not used on this Model	
15	851146	Oil Pump Idler Gear Stud .....	1
16	850602	Oil Pump Strainer Screen Frame Spacer .....	1
17	850601	Oil Pump Strainer Screen Frame to Cover Gasket .....	1
18	852063	Oil Pump Cover to Body Screw .....	2
19	6E-04	Oil Pump Cover to Body Screw Lockwasher .....	2
20	857077	Oil Pump Cover Assembly .....	1
21	850599	Oil Pump Cover to Body Gasket .....	1
22	853334	Oil Pump Body to Bearing Cap Stud .....	1
23	1D-06	Oil Pump Body to Bearing Cap Stud Nut .....	1
24	4E-06	Oil Pump Body to Bearing Cap Stud Nut Lockwasher .....	1
25	851140	Oil Pump Drive Shaft Bushing — In Crankcase .....	1



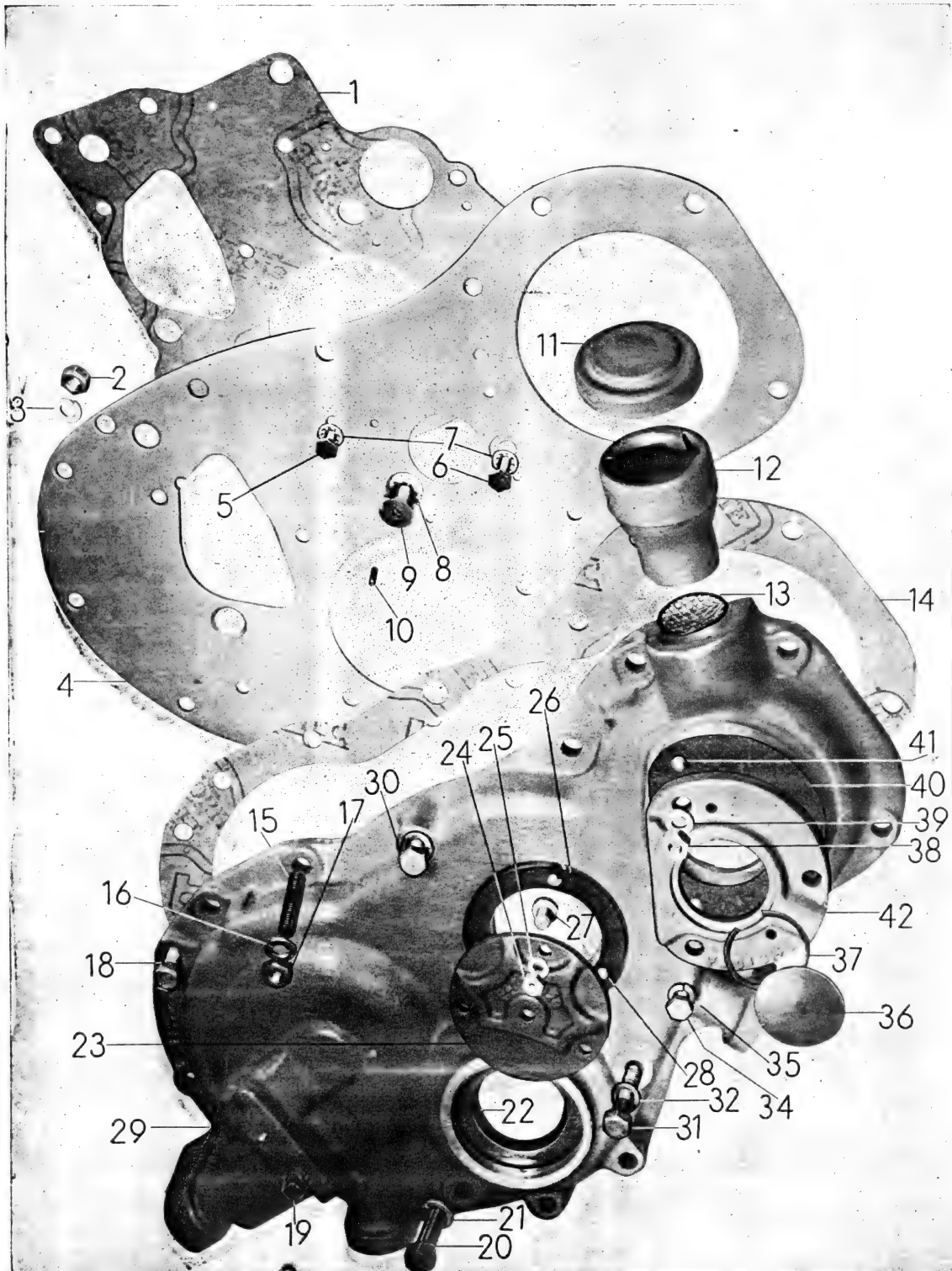


Figure 8 — Gear Cover, End Plate, Oil Filler and Hole Covers

## GEAR COVER, END PLATE, OIL FILLER AND HOLE COVERS (Fig. 8)

Item	Part No.	DESCRIPTION	No. Req'd
1	852071 <i>H.B.</i>	Crankcase End Plate to Crankcase Gasket .....	1
2	1D-06	Crankcase End Plate to Gear Cover Screw Nut .....	4
3	4E-06	Crankcase End Plate to Gear Cover Nut Lockwasher .....	4
4	852070	Crankcase End Plate .....	1
5	851128	Crankcase End Plate to Crankcase Screw .....	3
6	852074	Crankcase End Plate to Crankcase Screw .....	1
7	2E-05	Crankcase End Plate to Crankcase Screw Lockwasher .....	4
8	852073	Crankcase End Plate to Crankcase Screw Lockwasher .....	2
9	852072	Crankcase End Plate to Crankcase Screw .....	2
10	850118	Crankcase Thrust Washer to Crankcase Pin .....	3
11	851147	Oil Filler Cap Assembly .....	1
12	851148	Oil Filler Cap Body Assembly .....	1
13	851149	Oil Filler Screen .....	1
14	852069 <i>H.B.</i>	Gear Cover to End Plate Gasket .....	1
15	851168	Gear Cover to Cylinder Stud .....	1
16	4E-06	Gear Cover to Cylinder Stud Nut Lockwasher .....	1
17	1D-06	Gear Cover to Cylinder Stud Nut .....	1
18	1C-620	Crankcase End Plate to Gear Cover Screw .....	4
19	14F-04	Gear Cover Rocker Arm Boss Pipe Plug .....	1
20	852068	Gear Cover to Cylinder Dowel Screw .....	1
21	2E-05	Gear Cover to Cylinder Dowel Screw Lockwasher .....	1
22	850812 <i>H.B.</i>	Crankshaft Bearing Oil Seal — Front .....	1
23	851130	Gear Cover Idler Stud Opening Cover .....	1
24	1D-04	Gear Cover Idler Stud Opening Cover Stud Nut .....	3
25	4E-06	Gear Cover Idler Stud Opening Cover Stud Nut Lockwasher .....	3
26	851132 <i>H.B.</i>	Gear Cover Idler Opening Cover Gasket .....	1
27	851238	Idler Gear Thrust Plunger Thrust Button .....	1
28	851131	Gear Cover Idler Stud Opening Cover Stud .....	3
29	857148	Gear Cover Assembly (Includes Items 11, 12, 13, 22, 28, and Governor Lever and Shaft Assembly) .....	1
30	1C-544	Gear Cover to Cylinder Screw .....	1
31	1C-608	Gear Cover to Filler Block Screw .....	4
32	851374	Gear Cover to Filler Block Screw Copper Washer — Upper .....	2
33	4E-06	Gear Cover to Filler Block Screw Lockwasher .....	2
34	852067	Gear Cover to Crankcase Screw .....	1
35	2E-05	Gear Cover to Crankcase Screw Lockwasher .....	2
36		Not used on this Model Machine	
37		Not used on this Model Machine	
38		Not used on this Model Machine	
39		Not used on this Model Machine	
40		Not used on this Model Machine	
41		Not used on this Model Machine	
42		Not used on this Model Machine	
43		Not used on this Model Machine	
44	1C-624	Gear Cover to Crankcase Screw .....	1
45	4E-06	Gear Cover to Crankcase Screw Lockwasher .....	1
46	852075	Crankcase End Plate to Crankcase Ring Dowel .....	1

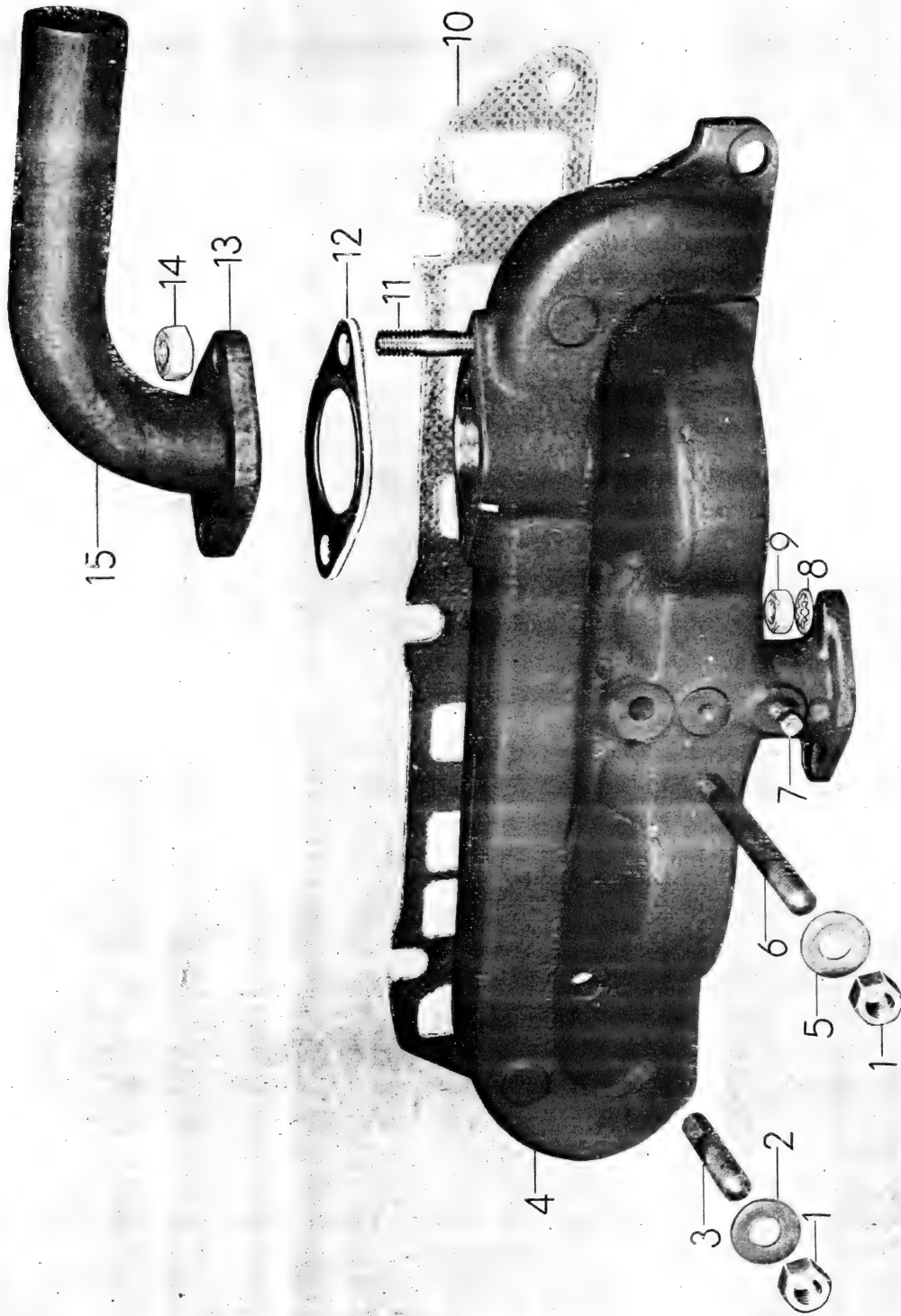
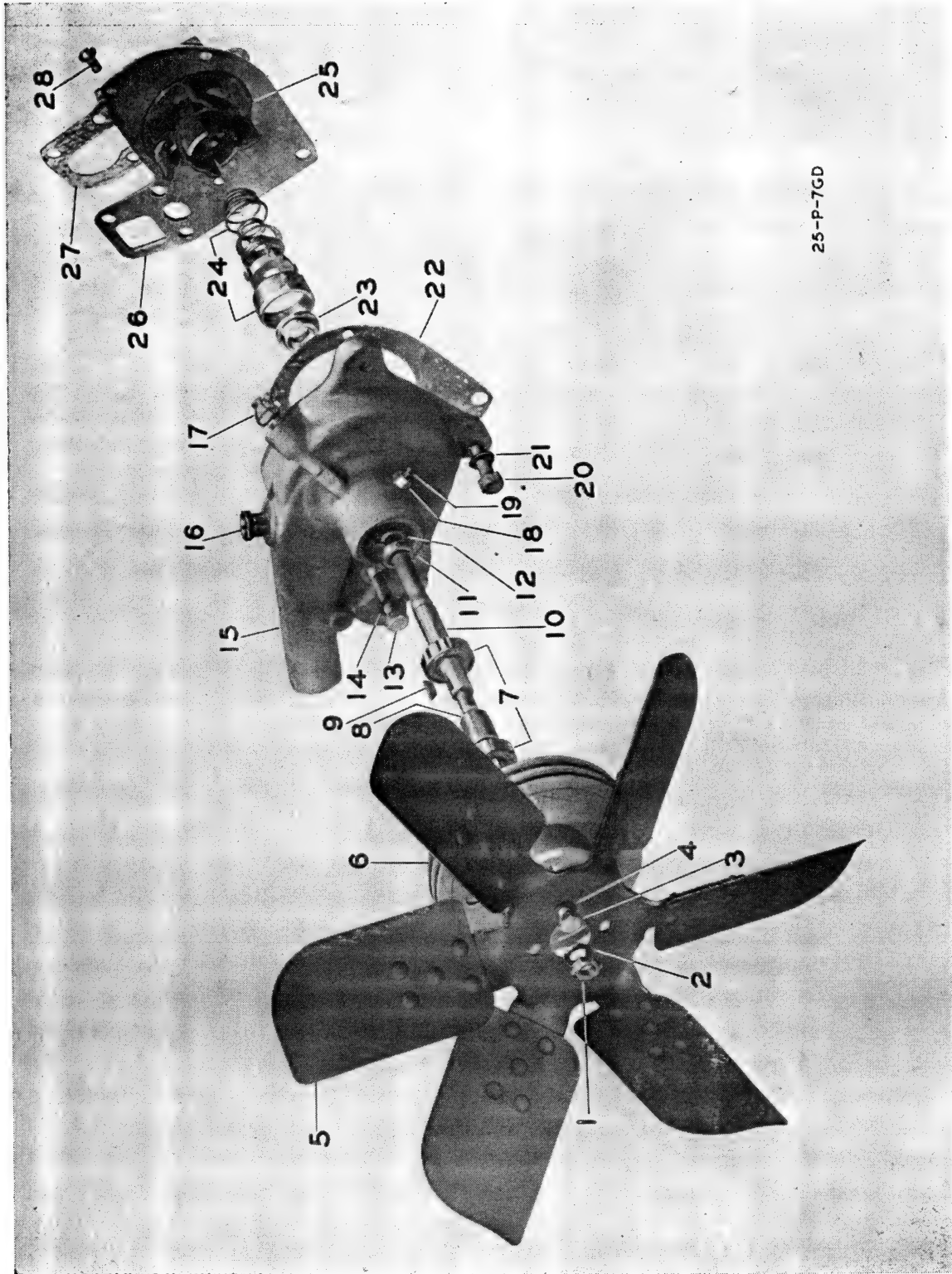


Figure 9 — Intake and Exhaust Manifold and Exhaust Pipe

**INTAKE AND EXHAUST MANIFOLD AND EXHAUST PIPE (Fig. 9)**

Item	Part No.	DESCRIPTION	No. Req'd
1	15D-06	Intake and Exhaust Manifold to Cylinder Stud Nut .....	7
2	619023	Intake and Exhaust Manifold to Cylinder Stud Washer .....	2
3	851371	Intake and Exhaust Manifold to Cylinder Stud .....	6
4	852079	Intake and Exhaust Manifold .....	1
5	852080	Intake and Exhaust Manifold to Cylinder Stud Washer .....	5
6	852035	Intake and Exhaust Manifold to Cylinder Stud — Center .....	1
7	13F-02	Intake and Exhaust Manifold Pipe Plug .....	1
8	2E-05	Intake and Exhaust Manifold to Carburetor Stud Nut Lockwasher ..	2
9	1D-05	Intake and Exhaust Manifold to Carburetor Stud Nut .....	2
10	852082	Intake and Exhaust Manifold to Cylinder Gasket .....	1
11	602428	Exhaust Pipe Flange to Manifold Stud .....	2
12	603533	Exhaust Pipe Flange to Manifold Gasket .....	1
13	603522	Exhaust Pipe Flange .....	1
14	15D-06	Exhaust Pipe Flange to Manifold Stud Nut .....	2
15	602317	Exhaust Pipe .....	1



25-P-7GD

Figure 11 — Water Pump Assembly and Parts, Fan Belt and Fan Blade

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**WATER PUMP ASSEMBLY AND PARTS, FAN BELTS AND FAN BLADE (Fig. 10)**

Item	Part No.	DESCRIPTION	No. Req'd
	858020 <i>D4-33</i>	Water Pump Assembly (Includes Items 1, 2, 6, through 26, 28) .....	1
1	852384	Fan Hub to Drive Shaft Nut .....	1
2	3E-07	Fan Hub to Drive Shaft Nut Lockwasher .....	1
3	1C-510	Fan Blade to Fan Hub Screw .....	4
4	4E-05	Fan Blade to Fan Hub Screw Lockwasher .....	4
5	626058 <i>D4-Top</i>	Fan Blade .....	1
6	858021 <i>D4-33</i>	Fan Hub .....	1
7	851196	Water Pump Drive Shaft Bearing .....	2
8	851198	Water Pump Drive Shaft Bearing Spacer .....	1
9	5J-405	Fan Hub to Drive Shaft Key .....	1
10	858022 <i>E2-47</i>	Water Pump Drive Shaft .....	1
11	850660	Water Pump Drive Shaft Bearing Snap Ring Retainer .....	1
12	850659	Water Pump Drive Shaft Bearing Snap Ring .....	1
13	1C-640	Water Pump Body to Cylinder Screw .....	1
14	4E-06	Water Pump Body to Cylinder Screw Lockwasher .....	3
15	852087	Water Pump Body Assembly (Includes Item 23) .....	1
16	852101	Water Pump Body Reducer Bushing .....	1
17	851199	Water Pump Drive Shaft Grease Fitting .....	1
18	1D-04	Water Pump Drive Shaft Bearing Retainer Screw Nut .....	1
19	851197	Water Pump Drive Shaft Bearing Retainer Screw .....	1
20	852088	Water Pump Body to Cylinder Screw .....	2
21	851374	Water Pump Body to Cylinder Screw Copper Washer .....	1
22	852084	Water Pump Body to Cover Gasket .....	1
23	850652	Water Pump Drive Shaft Bushing .....	1
24	851195	Water Pump Seal Assembly .....	1
25	851193	Water Pump Impeller .....	1
26	850796	Water Pump Cover .....	1
27	851190	Water Pump to Cylinder Gasket .....	1
28	852083 <i>E2-54</i>	Water Pump Cover to Body Screw .....	3
29	858023	Water Pump Body to Crankcase Screw .....	1
30	858060 <i>D4-8</i>	Water Pump Repair Kit .....	A.R.
31	627015 <i>D4-12</i>	Fan and Generator Belt .....	2

# NOTES



## GOVERNOR LINKAGE AND OPERATING PARTS (Fig. 11)

Item	Part No.	DESCRIPTION	No. Req'd
1	1F-216	Carburetor Rod Cotter Pin .....	1
2	625676	Carburetor Rod .....	1
3	4J-4200	Carburetor Rod Yoke .....	1
4	4F-04051	Carburetor Rod Yoke Pin .....	1
5	1F-216	Carburetor Rod Yoke Pin Cotter Pin .....	1
6	852093	Governor Lever and Shaft Assembly .....	1
7	852096	Governor Speed Control Spring .....	1
8	855111	Governor Speed Control Spring Adjusting Screw .....	1
9	850224	Governor Speed Control Spring Adjusting Screw Nut .....	2
10	852097	Governor Speed Control Spring Anchor .....	1
11	1C-620	Governor Speed Control Spring Anchor Screw (Lower) .....	1
12	1C-616	Governor Speed Control Spring Anchor Screw (Upper) .....	1
13	4E-06	Governor Speed Control Spring Anchor Screw Lockwasher .....	2
14	1D-06	Governor Speed Control Spring Anchor Screw Nut .....	1
15	850568	Governor Lever Shaft Dust Seal (Felt) .....	1
16	850567	Governor Lever Shaft Oil Seal .....	1
17	850633	Governor Lever Shaft Bearing .....	2
18	14F-04	Gear Cover Rocker Arm Boss Pipe Plug .....	1
19	858024	Governor Bumper Spring Adjusting Screw .....	1
20	850224	Governor Bumper Spring Adjusting Screw Nut .....	1
21	850217	Governor Cup and Shaft Assembly .....	1
22	855184	Governor Weight Plate and Pin Assembly .....	1
23	8B-41	Governor Weight Plate to Camshaft Gear Screw .....	4
24	13E-10	Governor Weight Plate to Camshaft Gear Screw Lockwasher .....	4
25	852094	Governor Bumper Spring .....	1



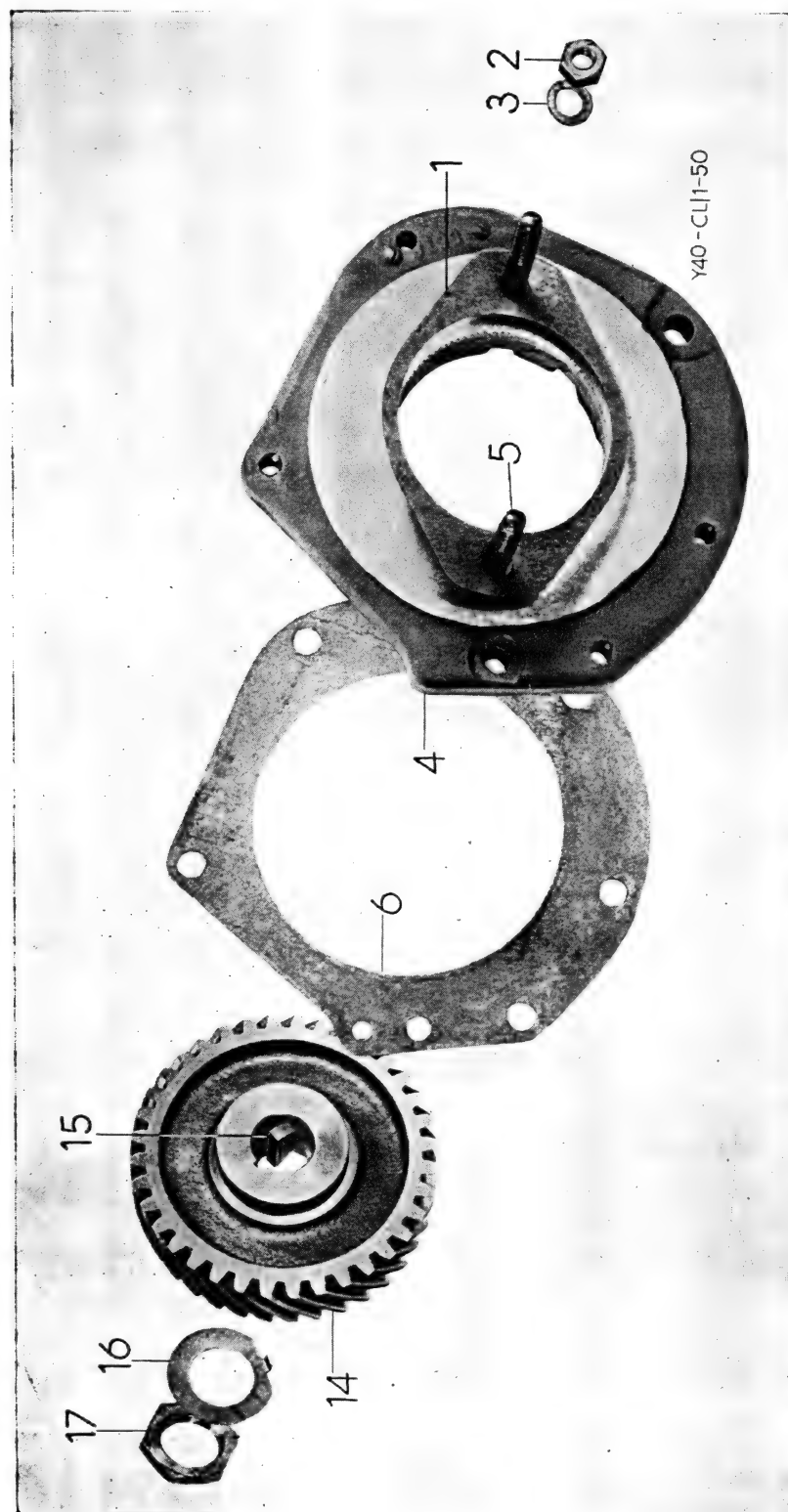


Figure 12 — Accessory Drive Gear, Hydraulic Pump Adaptor and Parts

**ACCESSORY DRIVE GEAR, HYDRAULIC PUMP ADAPTOR AND PARTS (Fig. 12)**

Item	Part No.	DESCRIPTION	No. Req'd
1	618053	Hydraulic Pump to Adaptor Gasket .....	1
2	1D-06	Hydraulic Pump to Adaptor Stud Nut .....	2
3	4E-06	Hydraulic Pump to Adaptor Stud Nut Lockwasher .....	2
4	856422	Hydraulic Pump Adaptor .....	1
5	857110	Hydraulic Pump Adaptor to Pump Stud .....	2
6	851260	Hydraulic Pump Adaptor to End Plate Gasket .....	1
7	851373	Hydraulic Pump Adaptor to Gear Cover Screw .....	1
8	4E-06	Hydraulic Pump Adaptor to Gear Cover Screw Lockwasher .....	4
9	1C-626	Hydraulic Pump Adaptor to Gear Cover Screw .....	8
10	1C-624	Hydraulic Pump Adaptor to Gear Cover Screw .....	1
11	851259	Hydraulic Pump Adaptor to Gear Cover Stud .....	1
12	1D-05	Hydraulic Pump Adaptor to Gear Cover Stud Nut .....	1
13	2E-05	Hydraulic Pump Adaptor to Gear Cover Stud Nut Lockwasher .....	1
14	618326	Accessory Drive Gear — On Pump Shaft .....	1
15	5J-608	Accessory Drive Gear to Pump Drive Shaft Key .....	1
16	618048	Accessory Drive Gear to Pump Drive Shaft Nut Lock .....	1
17	618047	Accessory Drive Gear to Pump Drive Shaft Lock Nut .....	1

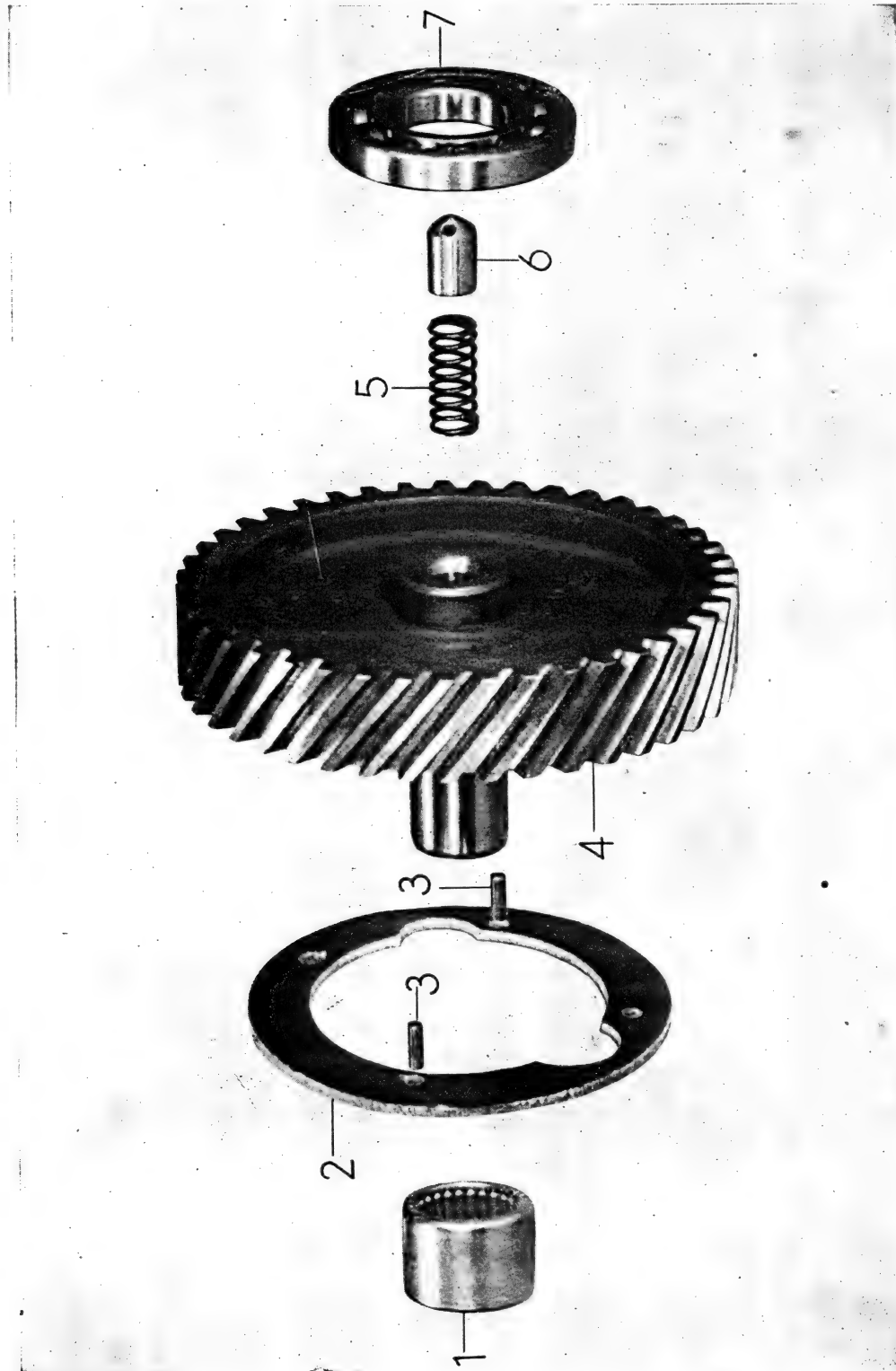


Figure 13 — Idler Gear Assembly and Parts

**IDLER GEAR ASSEMBLY AND PARTS (Fig. 13)**

Item	Part No.	DESCRIPTION	No. Req'd
1	851239	Idler Gear Stud Needle Bearing .....	1
2	851233	Idler Gear Thrust Washer .....	1
3	851234	Idler Gear Thrust Washer to Crankcase Pin.....	2
4	852039	Idler Gear Assembly .....	1
5	851237	Idler Gear Stud Thrust Plunger Spring .....	1
6	851236	Idler Gear Stud Thrust Plunger .....	1
7	851240	Idler Gear Stud Ball Bearing.....	1

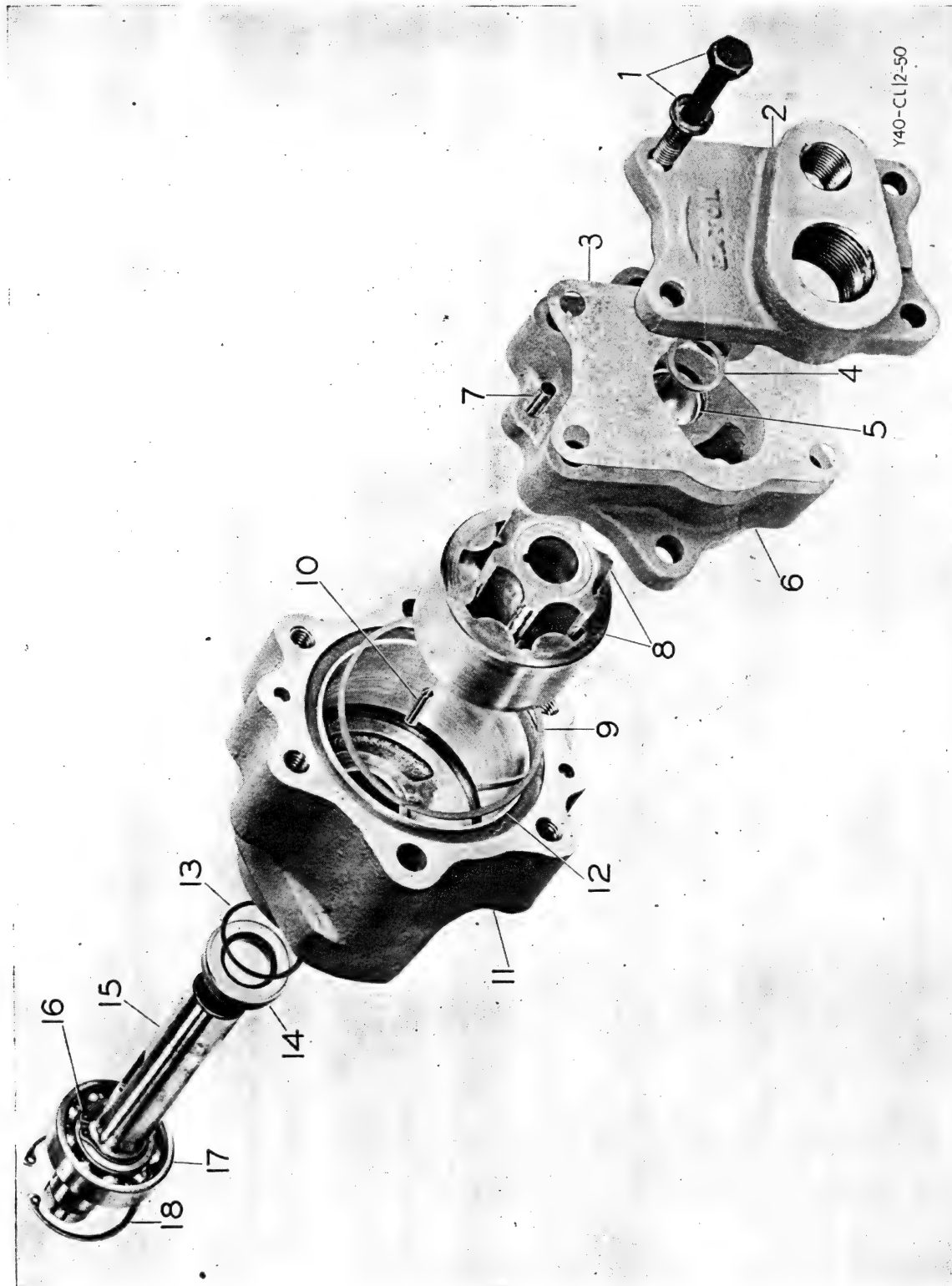


Figure 14 — Hydraulic Pump Assembly and Parts

## HYDRAULIC PUMP ASSEMBLY AND PARTS (Fig. 14)

Item	Part No.	DESCRIPTION	No. Req'd
	633496	Hydraulic Pump Assembly (Includes Items 1 through 19).....	1
1	855655	Cover and Adaptor to Body Screw.....	4
2		Not used on this Model.....	
3		Not used on this Model.....	
4		Not used on this Model.....	
5	855643 <i>E3-31</i>	Cover Bushing .....	1
6	858894	Cover Assembly (Includes Items 5, 7).....	1
7	855646	Cover to Body Dowel Pin .....	2
8	855650 <i>E3-33</i>	Rotor Assembly (Includes Inner and Outer Rotor).....	1
9	855651 <i>E3-31</i>	Cover to Body Gasket.....	1
10	855658 <i>E3-33</i>	Rotor to Shaft Key.....	1
11	855644	Body Assembly (Includes Item 12).....	1
12	855645 <i>E3-31</i>	Body Bushing .....	1
13	855653 <i>E3-31</i>	Oil Seal Gasket .....	1
14	855657 <i>E3-31</i>	Oil Seal .....	1
15	855649 <i>E3-33</i>	Shaft .....	1
16	855648	Ball Bearing Retaining Ring.....	1
17	851242	Ball Bearing .....	1
18	855656	Ball Bearing to Body Retaining Ring.....	1
19	855647	Shaft and Bearing Assembly (Includes Items 15, 16, 17).....	1
20	5J-608	Accessory Drive Gear to Pump Drive Shaft Key .....	1
21	618048	Accessory Drive Gear to Pump Drive Shaft Nut Lock.....	1
22	618047	Accessory Drive Gear to Pump Drive Shaft Lock Nut.....	1

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**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**DISTRIBUTOR ASSEMBLY AND ATTACHING PARTS (Fig. 15)**

Item	Part No.	LOCATION	DESCRIPTION	No. Req'd
<del>0-2-32</del>	604380	<del>E2-33</del>	Distributor Assembly (Includes Items 1 thru 33, 36, 40, 44) <i>Relco #1110412</i>	1
1	850928	E2-62	Cap Cover Screw	2
2	851912	E2-53	Cap Cover	1
3	851911	E2-53	Cap <i>326 616 Relco</i>	1
4	850726	E2-59	Rotor <i>D.414 Relco</i>	1
5	850731		Breaker Lever Insulation Strip	1
6	850739		Terminal Screw Insulation Washer — Inside	1
7	850736		Terminal Screw	1
8	850730		Breaker Lever	1
9	850724		Cam Wick	1
10	850728		Contact Point and Support <i>D.109 Relco</i>	1
11	850940		Contact Point and Support Screw	1
12	851829		Governor Weight Spring	2
13	851831		Cam	1
14	851832		Governor Weight	2
15	851833		Mainshaft and Weight Base Assembly	1
16	850422		Space Washer	1
17	850737		Terminal Screw Insulation Bushing Washer	1
18	850738		Terminal Screw Insulation Washer — Outside	1
19	850559		Terminal Screw Plain Washer	2
20	13E-10		Terminal Screw Lockwasher	2
21	851384		Terminal Screw Nut	2
22	850085		Condenser <i>G.102 A (R.W.)</i>	1
23	851378		Condenser Attaching Screw	1
24	13E-10		Condenser Attaching Screw Lockwasher	1
25	850744	E2-72	Grease Cup	1
26	850719		Housing	1
27	850099	E2-40	Space Washer	1
28	850925	E2-40	Gear Coupling	1
29 <del>EX</del>	850741	E2-40	Gear Coupling Pin	1
30	850729		Cap Spring Support	2
31	13E-10		Cap Spring Support Screw Lockwasher	2
32	850939		Cap Spring Support Screw	2
33	851910		Cap Spring	2
34	852102	<del>E2-33</del>	Distributor to Oil Pump Drive Shaft Assembly	1
35	850745	D4-3	Distributor Adaptor	1
36	850727		Breaker Plate	1
37	1C-410		Distributor Clamp Arm to Adaptor Screw	1
38	4E-04		Distributor Clamp Arm to Adaptor Screw Lockwasher	1
39	602330		Distributor Clamp Arm	1
40	850735		Weight Washer	2
41	850100		Shim Washer — .005 thick	A.R.
42	850101		Shim Washer — .010 thick	A.R.
43	852107		Contact Point Set (Includes Items 8 and 10)	A.R.
44	852064		Distributor Cap Carbon Button	1



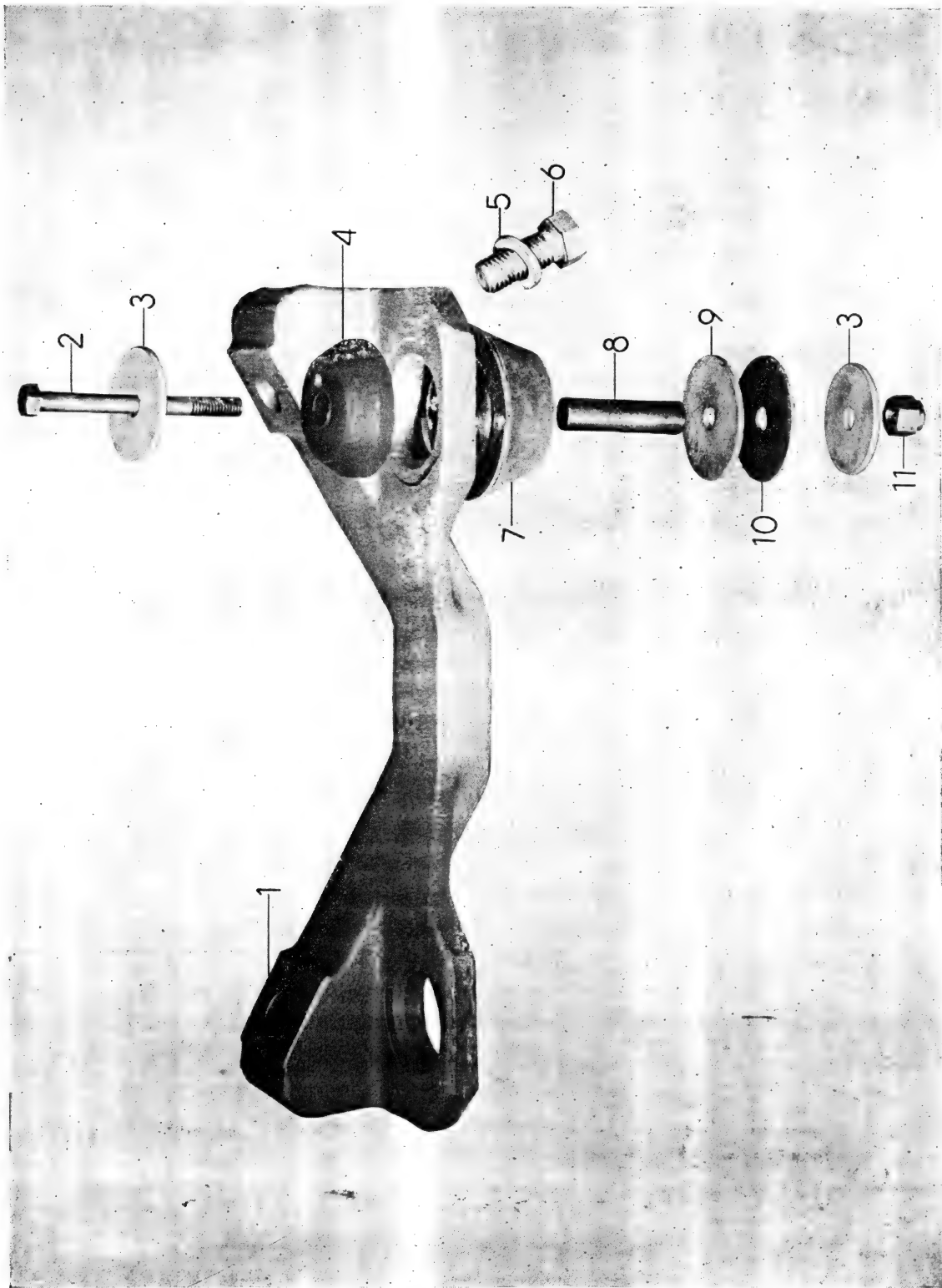


Figure 16 —Motor Support Parts

## MOTOR SUPPORT PARTS (Fig. 16)

Item	Part No.	DESCRIPTION	No. Req'd
1	604286	Motor Support Bar .....	1
2	1C-664	Motor Support Cushion Bolt .....	2
3	616787	Motor Support Cushion Bolt Washer .....	4
4	601805 <i>5/4 - 1/4</i>	Motor Support Cushion — Upper .....	2
5	4E-10	Motor Support Bar to Motor Screw Lockwasher .....	2
6	1C-1024	Motor Support Bar to Motor Screw .....	2
7	602561 <i>5/4 - 1/4</i>	Motor Support Cushion — Bottom .....	2
8	601135	Motor Support Cushion Spacer .....	2
9	616788	Motor Support Spacer .....	A.R.
10	616789	Motor Support Washer — Bottom .....	2
11	1D-06	Motor Support Cushion Bolt Nut .....	2
12	4E-06	Motor Support Cushion Bolt Lockwasher .....	2

# NOTES

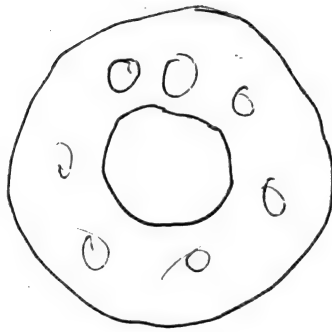
**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**FLYWHEEL ASSEMBLY, ROTORS, CATERPILLAR RESISTOR,  
RESISTOR ASSEMBLY AND PARTS**

Item	Part No.	DESCRIPTION	No. Req'd
1		Sold only with Engine Assembly and Short Block Assembly	
2	624426 <i>E2-63</i>	Forward and Reverse Brush	4
3	624429	Forward and Reverse Brush Holder	4
4	1C-416	Forward and Reverse Brush Holder to Mounting Plate Bolt	4
5	619018	Forward and Reverse Brush Holder to Mounting Plate Bolt Washer	4
6	4E-04	Forward and Reverse Brush Holder to Mounting Plate Bolt Lockwasher	4
7	1D-04	Forward and Reverse Brush Holder to Mounting Plate Bolt Nut	4
8	624424	Forward and Reverse Brush Tension Spring	4
9	1F-208	Forward and Reverse Brush Tension Spring Cotter Pin	4
10	625545	Brush Holder Mounting Plate R.H.	1
11	1C-614	Brush Holder Mounting Plate Bolt	4
12	4E-06	Brush Holder Mounting Plate Bolt Lockwasher	4
13	1C-420	Brush Holder Terminal Bolt	4
14	619018	Brush Holder Terminal Bolt Washer	4
15	4E-04	Brush Holder Terminal Bolt Lockwasher	4
16	7D-04	Brush Holder Terminal Bolt Nut	8
17	858025 <i>D4-T4</i>	Flywheel Ring Gear	1
18	625543	Flywheel Assembly (Includes Item 17)	1
19	624430	Ground Brush Holder	1
20	624427 <i>E2-63</i>	Ground Brush	1
21	624424	Ground Brush Tension Spring	1
22	1F-208	Ground Brush Tension Spring Cotter Pin	1
23	1C-412	Ground Brush Holder to Housing Bolt	2
24	4E-04	Ground Brush Holder to Housing Bolt Lockwasher	2
25	207712	Mainshaft Hub	1
26	SK-251-63	Mainshaft Hub Retaining Ring	1
27	625544	Rotor	2
28	4C-614	Rotor to Hub Screw	12
29	201553-10	Rotor to Hub Screw Lockwire	2
30	617810	Caterpillar Resistor	1
31	610817	Caterpillar Resistor Terminal Covers	2
32	7G-624	Caterpillar Resistor to Frame Screw	2
33	4E-06	Caterpillar Resistor to Frame Screw Lockwasher	2
34	1D-06	Caterpillar Resistor to Frame Screw Nut	2
35	624234 <i>E2-61</i>	Resistor Assembly	1
36	3G-806	Resistor Mounting Screw	2
37	15E-8	Resistor Mounting Screw Lockwasher	2
38	12D-8	Resistor Mounting Screw Nut	2
39	3G-606	Resistor to Cable Screw	3
40	15E-6	Resistor to Cable Screw Lockwasher	3
41	12D-6	Resistor to Cable Screw Nut	3
42	620024	Circuit Breaker	1
43	3G-620	Circuit Breaker to Bracket Bolt	2
44	13E-6	Circuit Breaker to Bracket Bolt Lockwasher	2
45	12D-6	Circuit Breaker to Bracket Bolt Nut	2
46	625564	Circuit Breaker Mounting Bracket	1
47	7G-412	Circuit Breaker Mounting Bracket Bolt	2
48	4E-04	Circuit Breaker Mounting Bracket Bolt Lockwasher	2
49	1D-04	Circuit Breaker Mounting Bracket Bolt Nut	2
50	1C-718	Flywheel and Ring Gear Housing to Motor Screw	3
51	624248	Flywheel and Ring Gear Housing to Motor Dowel Screw	2
52	5E-07	Flywheel and Ring Gear Housing to Motor Dowel Screw Lockwasher	5
53	625546	Brush Holder Mounting Plate — L.H.	1

*862060*  
*858973 E2-66 Resistor Repair Kit.*  
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# NOTES



## BRAKE PEDAL AND PARTS

Item	Part No. LOCATION	DESCRIPTION	No. Req'd
1	625526	Brake Pedal .....	1
2	623828	Foot Pad .....	1
3	4E-06	Foot Pad Lockwasher .....	1
4	8D-06	Foot Pad Nut .....	1
5	625529	Brake Pedal Shaft Assembly .....	1
6	7J-3100	Brake Pedal Key .....	2
7	604317	Master Cylinder Lever Assembly (Includes Item 8) .....	1
8	615923	Bushing .....	1
9	1C-636	Master Cylinder Lever Clamp Bolt .....	2
10	4E-06	Master Cylinder Lever Clamp Bolt Lockwasher .....	2
11	1D-06	Master Cylinder Lever Clamp Bolt Nut .....	2
12	10H-2	Grease Fitting .....	1
13	606512	Brake Yoke Stud .....	1
14	4J-8300	Brake Yoke .....	1
15	10D-08	Brake Yoke Stud Nut .....	1
16	4F-08127	Brake Yoke Pin .....	1
17	1F-416	Brake Yoke Pin Cotter Pin .....	1
18	609942 104-17	Brake Spring .....	1
19	601689	Brake Spring Bracket .....	1
20	1C-612	Brake Spring Bracket Bolt .....	1
21	4E-06	Brake Spring Bracket Bolt Lockwasher .....	1

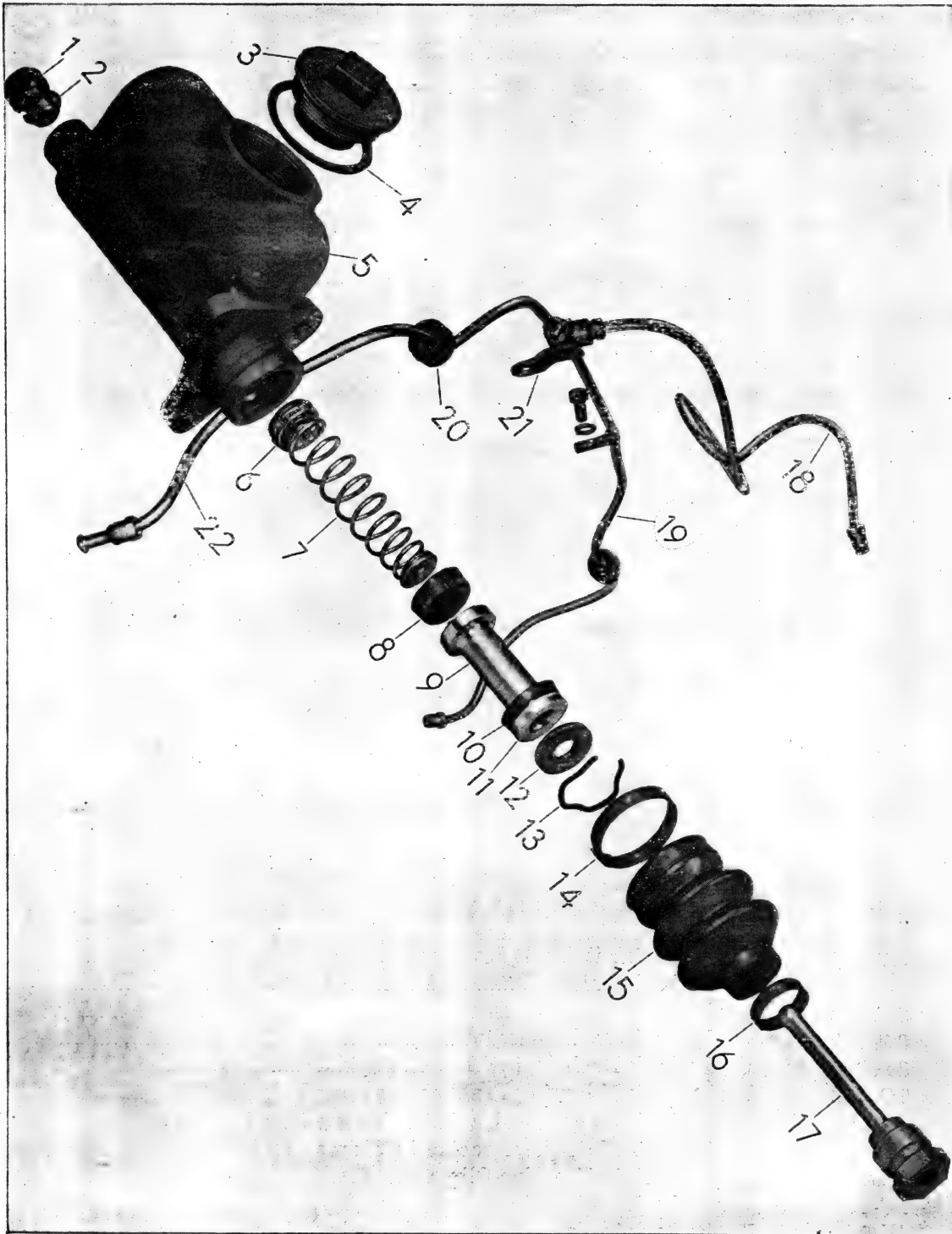


Figure 17 — Brake Master Cylinder Assembly and Brake Lines

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**BRAKE MASTER CYLINDER ASSEMBLY, BRAKE LOCK  
AND PARTS, BRAKE LINES (Fig. 17)**

Item	Part No. <i>Location</i>	DESCRIPTION	No. Req'd
	FE-1473 <i>D4-17</i>	Brake Master Cylinder Assembly (Includes Items 1 thru 17) .....	1
1	850787	Outlet Fitting .....	1
2	850786	Outlet Fitting Gasket .....	1
3	850286	Filler Plug .....	1
4	850287	Filler Plug Gasket .....	1
5	851821	Supply Tank .....	1
6	850781 <i>E2-50</i>	Valve Assembly .....	1
7	850779 <i>E2-50</i>	Piston Return Spring .....	1
8	850279 <i>E2-50</i>	Piston Cup .....	1
9	850775 <i>E2-50</i>	Piston Assembly (Includes Items 10, 11) .....	1
10	850776 <i>E2-50</i>	Piston Secondary Cup .....	1
11	850778	Piston Secondary Cup Ring .....	1
12	850289	Piston Stop Washer .....	1
13	850290	Piston Stop Wire .....	1
14	850784	Boot Strap (Large) .....	1
15	850782 <i>E2-50</i>	Boot .....	1
16	850783	Boot Strap (Small) .....	1
17	850785	Connecting Link .....	1
18	625551	Brake Lock to Tee Line Assembly .....	1
19	100576	Wheel Cylinder to Tee Brake Line R.H. ....	1
20	100581	Brake Line Grommet .....	2
21	100582	Brake Line Tee Assembly .....	1
22	100577	Wheel Cylinder to Tee Brake Line L.H. ....	1
23	850788	Master Cylinder Repair Kit (Includes Items 6, 8, 9, 13 thru 15) .....	1
24	1C-624	Master Cylinder to Frame Bolt .....	3
25	4E-06	Master Cylinder to Frame Bolt Lockwasher .....	3
26	1D-06	Master Cylinder to Frame Bolt Nut .....	3
27	625550 <i>D4-16</i>	Master Cylinder to Brake Lock Line Assembly .....	1
28	621909	Brake Lock Kit (Includes Items 29 thru 32) .....	1
29	857257	Brake Lock Unit .....	1
30	857258	Brake Lock Mounting Bracket .....	1
31	857259 <i>E2-50</i>	Brake Lock Dash Switch .....	1
32	857260	Brake Lock Dash Plate .....	1
33	7G-416	Brake Lock Mounting Bracket to Frame Bolt .....	1
34	4E-04	Brake Lock Mounting Bracket to Frame Bolt Lockwasher .....	1
35	1D-04	Brake Lock Mounting Bracket to Frame Bolt Nut .....	1
36	6H-3	Brake Lock to Tee Line Clip .....	1
37	1C-508	Brake Lock to Tee Line Clip Bolt .....	1
38	4E-05	Brake Lock to Tee Line Clip Bolt Lockwasher .....	1



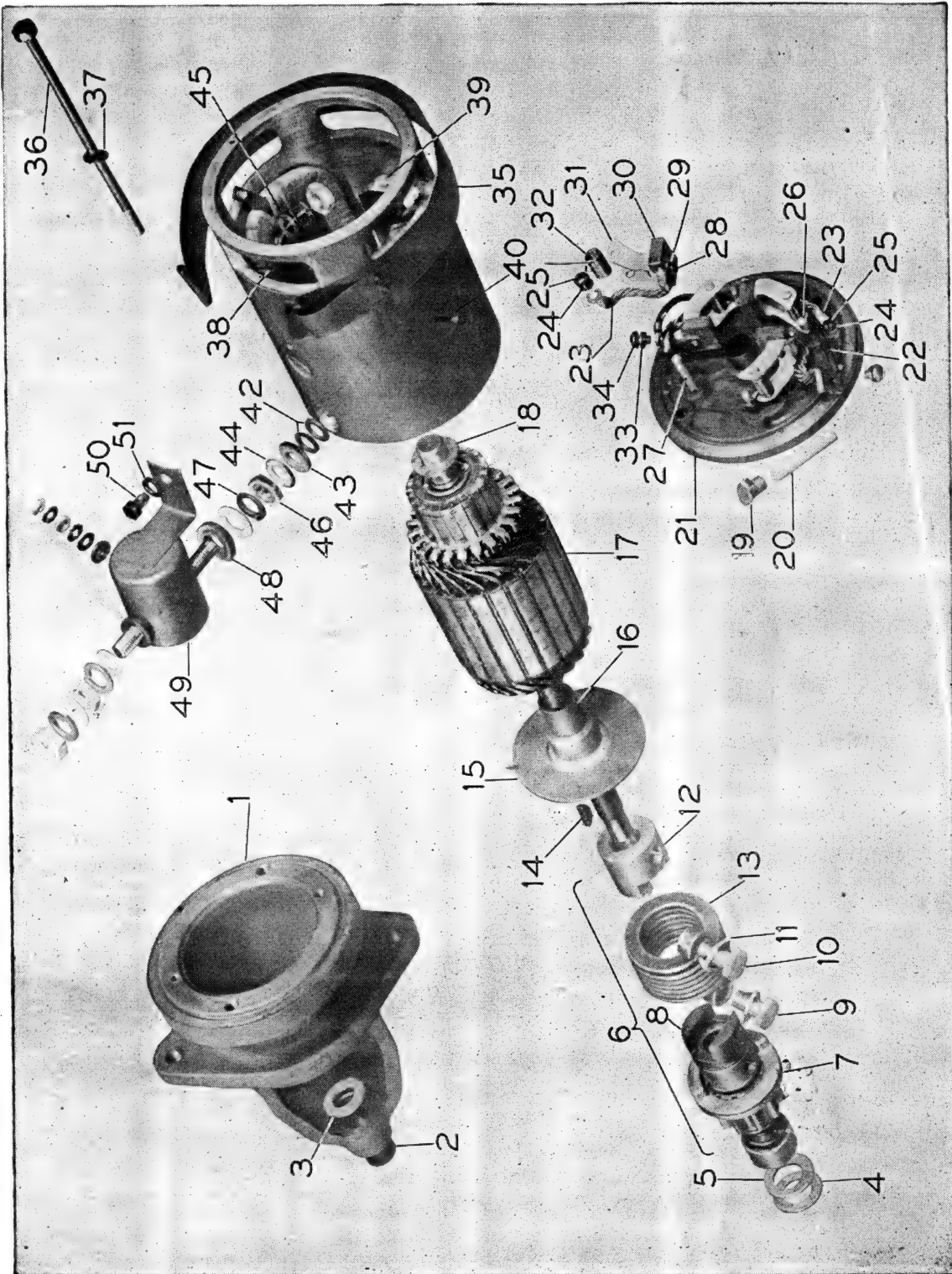


Figure 18 — Starting Motor Assembly

## CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION

## STARTING MOTOR ASSEMBLY AND PARTS

Item	Part No.	DESCRIPTION	No. Req'd
	620144	Starting Motor Assembly	1
1	855979	Motor Drive Housing (Includes Item 2)	1
2	850336 <i>E2-64</i>	Motor Drive Housing Bushing	1
3	851895	Drive End Space Washer	A.R.
4	851888	Drive End Space Washer	A.R.
5	851887	Drive End Space Washer	A.R.
6	852135	Motor Drive Assembly (Includes Items 7 thru 13)	1
7	851889 <i>D4-31</i>	Gear and Shaft <del>1350</del> <i>Delco 1350 344</i>	1
8	851894	Drive Shaft Sleeve	1
9	851893	Drive Spring to Shaft and Sleeve Screw	1
10	851891	Drive Spring to Head and Armature Shaft Screw	1
11	851892	Drive Spring Screw Lockwasher	1
12	854992	Drive Head	1
13	851890	Drive Spring	1
14	5J-505	Armature Shaft to Drive Head Key	1
15	855980 <i>E2-59</i>	Center Bearing Assembly (Includes Item 16)	1
16	855981	Center Bearing Bushing	1
17	855978 <i>D4-13</i>	Armature Assembly <i>1372 450 Delco</i>	1
18	851895	Commutator End Space Washer	1
19	852245	Commutator End Frame Oiler	1
20	850826	Commutator End Frame Oil Wick	1
21	850823 <i>E2-55</i>	Commutator End Frame	1
22	851899	Brush and Field Connector Lead	1
23	851902	Brush Ground Lead	2
24	6E-5	Brush Ground Lead Screw Lockwasher	1
25	851386	Brush Ground Lead Screw	1
26	850347	Brush Holder Stop Pin and Insulation	4
27	850346	Brush Holder Hinge Pin and Insulation	4
28	850951	Brush Attaching Screw	4
29	851898	Brush Attaching Screw Lockwasher	4
30	850827 <i>E2-60</i>	Brushes	4
31	850341	Brush Holder	4
32	850828 <i>E2-60</i>	Brush Spring	4
33	6E-5	Brush and Field Connector Lead Screw Lockwasher	2
34	851896	Brush and Field Connector Lead Screw	2
35	851897 <i>D4-32</i>	Commutator End Cover Band	1
36	851900	Commutator End Frame to Drive Housing Bolt	2
37	851901	Commutator End Frame to Drive Housing Bolt Lockwasher	2
38	855976 <i>D4-31</i>	Field Coil L.H.	1
39	850814	Pole Shoe	4
40	855977	Pole Shoe Screw	4
41	855975 <i>D4-31</i>	Field Coil R.H. (Not Shown) <i>Delco 1847 571</i>	1
42	850817	Starter Switch Mounting Stud Insulation Washer	2
43	850816	Starter Switch Mounting Stud Insulation Washer	1
44	850818	Starter Switch Mounting Stud Plain Washer	4
45	856371	Starter Switch Mounting Stud Washer — Inside	1
46	1D-05	Starter Switch Mounting Stud Nut	4
47	4E-06	Starter Switch Mounting Stud Nut Lockwasher	4
48	850817	Starter Switch Mounting Stud Bushing Washer	2
49	855984 <i>E2-58</i>	Starter Switch <i>D4-5</i>	1
50	855985 <i>D4-5</i>	Starter Switch Screw	1
51	855986	Starter Switch Screw Lockwasher	1
52	855983	Center Bearing Screw	2
53	852136	Center Bearing Screw Lockwasher	2
54	850352	Commutator End Frame Plug	1
55	855982	Field Coil Connector Clip	1
56	856371	Starter Switch Mounting Stud Insulation Washer — Inside	1
57	1C-616	Starting Motor to Flywheel Housing Screw	3
58	4E-06	Starting Motor to Flywheel Housing Screw Lockwasher	3

# NOTES

## GENERATOR ASSEMBLY AND PARTS

Item	Part No.	Location	DESCRIPTION	No. Req'd
	626155		Generator Assembly .....	1
1	855112		Commutator End Frame Cover Plate Screw .....	3
2	622030		Commutator End Frame Cover Plate Screw Lockwasher .....	3
3	858026		Commutator End Frame Cover Plate .....	1
4	855114		Commutator End Frame Cover Plate Gasket .....	1
5	855620		Commutator End Frame Oiler .....	1
6	858027		Commutator End Frame Assembly .....	1
7	850314		Commutator End Frame Dowel Pin .....	1
8	855615		Brush Spring .....	2
9	855614		Brush Arm .....	2
10	852138		Brush Arm Space Washer .....	2
11	858028	E2-60	Brush .....	2
12	858029	D4-25	Armature <i>1919567 Delco</i> .....	1
13	858030		Commutator End to Drive End Frame Bolt .....	2
14	2E-05		Commutator End to Drive End Frame Bolt Lockwasher .....	2
15	858031		Pole Shoe .....	2
16	855628		Terminal Stud .....	2
17	858032	D4-32	Field Coil R.H. <i>1918002 Delco</i> .....	1
18	858033	D4-32	Field Coil L.H. <i>1918003 Delco</i> .....	1
19	858034		Commutator End Cover Band .....	1
20	855124		Pole Shoe Screw .....	2
21	858035		Top of Field Frame Screw .....	1
22	601417		Top of Field Frame Screw Lockwasher .....	1
23	854641		Terminal Stud Insulation Bushing .....	2
24	858036		Terminal Stud Insulation Washer .....	2
25	850329		Terminal Stud Plain Washer .....	2
26	855750		Terminal Stud Nut Lockwasher .....	4
27	850327		Terminal Stud Nut .....	4
28	855112		Ball Bearing Retainer Plate Screw .....	3
29	858037		Ball Bearing Retainer Plate Screw Lockwasher .....	3
30	850315		Ball Bearing Retainer Plate .....	1
31	855622		Ball Bearing Retainer Plate Gasket .....	1
32	850294		Ball Bearing .....	1
33	858038		Ball Bearing Retainer .....	1
34	850314		Drive End Dowel Pin .....	1
35	858039		Drive End Frame .....	1
36	850330		Drive End Felt Washer .....	1
37	850316		Drive End Felt Washer Retainer Plate .....	1
38	855620		Drive End Frame Oiler .....	1
39	855621		Drive End Space Collar .....	1
40	850331		Drive End Space Washer .....	1
41	855116		Commutator End Frame Bearing .....	1
42	858040		Brush Lead Attaching Screw .....	2
43	855751		Brush Lead Attaching Screw Lockwasher .....	2
44	850311		Drive Pulley Nut .....	1
45	4E-12		Drive Pulley Nut Lockwasher .....	1
46	852146		Armature Shaft Key .....	1
47	627014	D4-22	Generator Fan .....	1
48	627013		Generator Fan Baffle .....	1
49	626069	D4-22	Generator Pulley .....	1

~~D4-22 627014~~~~Generator Fan~~

**Did You Change  
The Oil Filter Cartridge  
When You Changed  
The Crankcase Oil?**

## GENERATOR BRACKET AND PARTS

Item	Part No.	DESCRIPTION	No. Req'd
1	627021	Generator Adjusting Brace .....	1
2	1C-624	Generator Adjusting Brace to Water Pump Screw .....	1
3	4E-06	Generator Adjusting Brace to Water Pump Screw Lockwasher .....	1
4	626609	Generator Bracket .....	1
5	851137	Generator Bracket to Crankcase Stud .....	5
6	10D-06	Generator Bracket to Crankcase Stud Nut .....	5
7	4E-06	Generator Bracket to Crankcase Stud Nut Lockwasher .....	5
8	103293	Generator Bracket to Crankcase Stud Washer .....	5
9	627015	Fan and Generator Belt .....	2
10	1C-512	Generator Adjusting Brace to Generator Bolt .....	1
11	4E-05	Generator Adjusting Brace to Generator Bolt Lockwasher .....	1
12	1C-518	Generator to Generator Bracket Bolt .....	2
13	4E-05	Generator to Generator Bracket Bolt Lockwasher .....	2
14	1D-05	Generator to Generator Bracket Bolt Nut .....	2
15	627014	Generator Fan .....	1
16	627013	Generator Baffle .....	1
17	626069	Generator Pulley .....	1

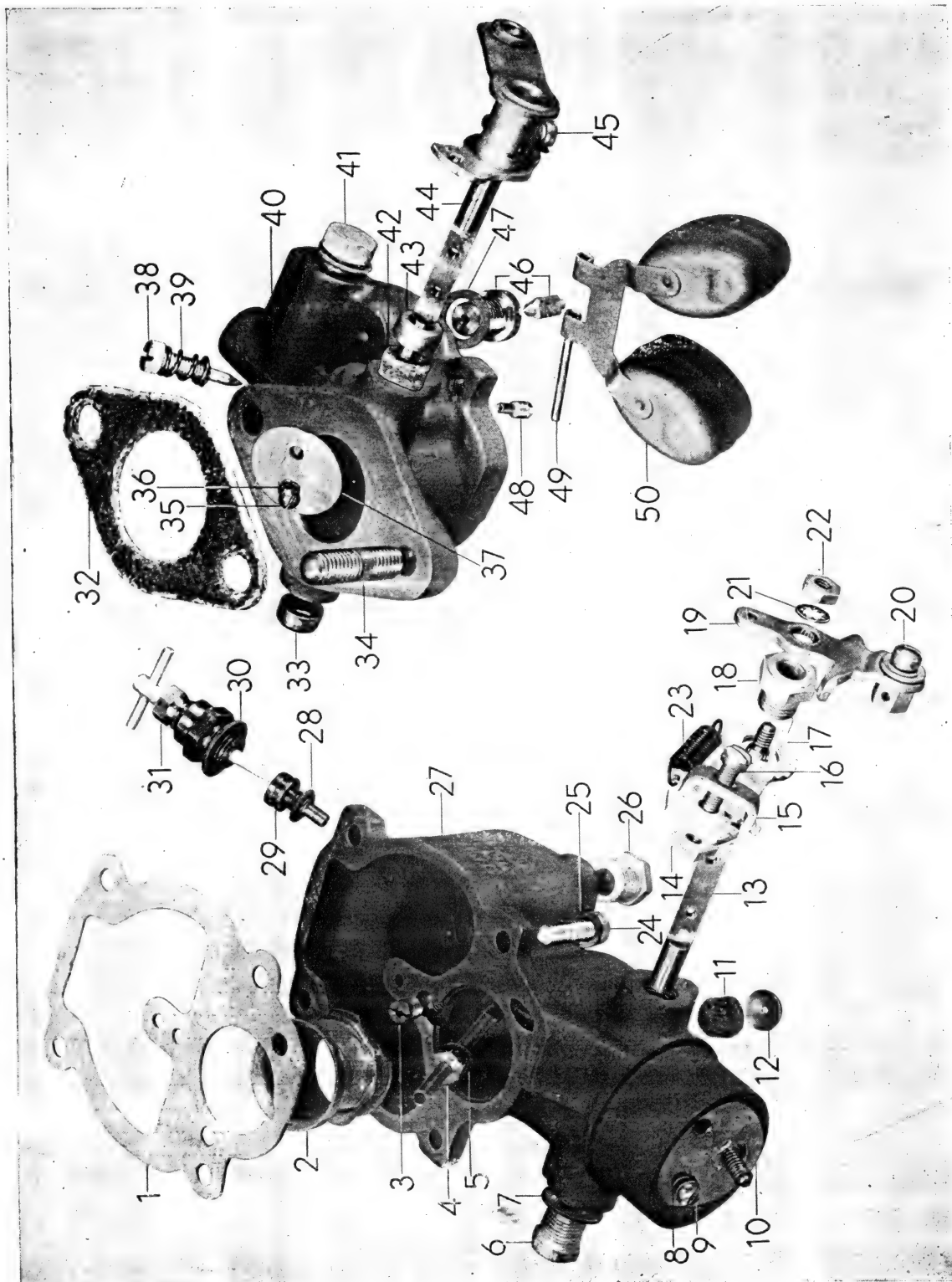


Figure 19 — Carburetor Assembly and Parts

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**CARBURETOR ASSEMBLY AND PARTS (Fig. 19)**

Item	Part No.	Location	DESCRIPTION	No. Req'd
	625565		Carburetor Assembly .....	1
1	850010		Bowl to Body Gasket .....	1
2	858049		Venturi .....	1
3	858052		Well Vent Jet .....	1
4	853575		Discharge Jet .....	1
5	850842		Discharge Jet Fibre Washer .....	1
6	852279		Choke Shaft Hole Plug .....	1
7	850030		Choke Shaft Hole Plug Fibre Washer .....	1
8			Refer to Item 9	
9	858054		Choke Plate Screw and Lockwasher .....	2
10	850024		Choke Plate .....	1
11	853579		Intake Drain Felt Washer .....	1
12	853580		Intake Drain Felt Washer Retainer .....	1
13	852280		Choke Shaft .....	1
14	852285		Choke Bracket Tube Clamp Screw Nut .....	1
15	850008		Choke Bracket Tube Clamp .....	1
16	852284		Choke Bracket Tube Clamp Screw .....	1
17	852283		Choke Bracket .....	1
18	852286		Choke Bracket Screw .....	1
19	852287		Choke Lever .....	1
20	850831		Choke Lever Swivel Screw .....	1
21	852288		Choke Shaft Nut Lockwasher .....	1
22	852289		Choke Shaft Nut .....	1
23	853577		Choke Lever Spring .....	1
24	858053		Bowl to Body Screw and Lockwasher .....	4
25			Refer to Item 24	
26	850028		Bowl Drain Plug .....	1
27	853581		Fuel Bowl .....	1
28	850013		Main Jet Fibre Washer .....	1
29	858050		Main Jet .....	1
30	850030		Main Jet Adjustment Fibre Washer .....	1
31	853227		Main Jet Adjustment .....	1
32	602327		Carburetor to Manifold Flange Gasket .....	1
33	850003		Shaft Hole Plug .....	1
34	607860		Carburetor to Manifold Stud .....	2
35	858054		Throttle Plate Screw and Lockwasher .....	2
36			Refer to Item 35	
37	858048		Throttle Plate .....	1
38	850031		Idle Adjusting Needle .....	1
39	850011		Idle Adjusting Needle Spring .....	1
40	858047		Throttle Body .....	1
41	850028		Pipe Plug .....	1
42	850005	E2-C2	Shaft Packing Washer .....	1
43	850004	E2-C2	Shaft Packing Washer Retainer .....	1
44	853572	E2-C2	Throttle Shaft and Lever Assembly .....	1
45	852284		Throttle Lever Stop Screw .....	1
46	852272		Fuel Valve and Seat .....	1
47	850034		Fuel Valve Seat Fibre Washer .....	1
48	858051		Idle Jet .....	1
49	850001		Float Axle .....	1
50	852273		Float .....	1
51	853578		Intake Drain Washer .....	1
52	617886		Carburetor to Manifold Stud Nut .....	2
53	4E-05		Carburetor to Manifold Stud Nut Lockwasher .....	2
54	850018		Gasket Repair Kit .....	A.R.
55	858059		Repair Kit .....	A.R.



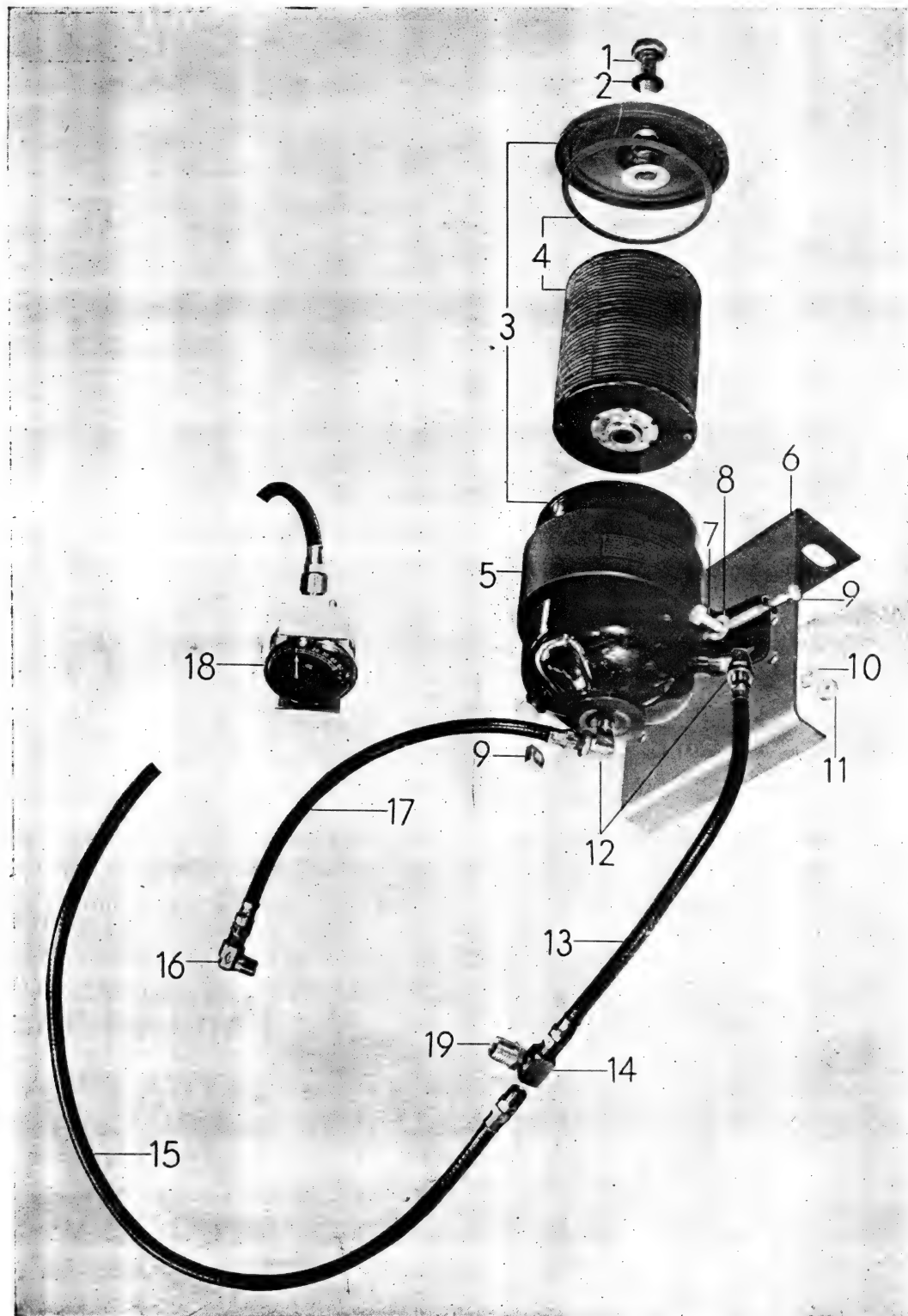


Figure 20 — Oil Filter, Oil Gauge and Oil Lines

## OIL FILTER, OIL GAUGE AND OIL LINES

Item	Part No. <i>Location</i>	DESCRIPTION	No. Req'd
1	850274	Oil Filter Cover Screw .....	1
2	850271	Oil Filter Cover Screw Washer .....	1
3	604080	Oil Filter (Includes Items 1, 2, 4, 5) .....	1
4	854571	Oil Filter Cartridge .....	1
5	850396	Oil Filter Clamp Bracket .....	1
6	604115	Oil Filter Bracket .....	1
7	1C-410	Oil Filter Clamp Bracket to Bracket Screw .....	4
8	619018	Oil Filter Clamp Bracket to Bracket Screw Plain Washer .....	4
9	850412	Oil Filter Clamp Bracket Bolt and Nut Assembly .....	1
10	4E-04	Oil Filter Clamp Bracket to Bracket Screw Lockwasher .....	4
11	1D-04	Oil Filter Clamp Bracket to Bracket Screw Nut .....	4
12	620558	Oil Filter Line St. Ell .....	1
13	8H-3 <i>D4-21</i>	Oil Filter Inlet Line .....	1
14	620561 <i>E2-12</i>	Oil Filter Inlet Tee .....	1
15	612648	Oil Filter Inlet Tee to Oil Gauge Line .....	1
16	620557	Oil Filter Return Line St. Ell — In Motor .....	1
17	8H-3 <i>D4-21</i>	Oil Filter Inlet Line Reducer .....	2
18	602338 <i>E2-56</i>	Oil Pressure Gauge .....	1
19	19F-1	Oil Filter Inlet Line Reducer .....	1

# NOTES

## TRANSMISSION ASSEMBLY AND PARTS

Item	Part No.	LOCATION	DESCRIPTION	No. Req'd
	858041		Transmission Assembly (Complete) .....	1
	94DS-1		Transmission Assembly (Less Gear Shift Lever) .....	1
1	SK200-17		Flywheel Pilot Bearing .....	1
2	SK251-63		Mainshaft Hub Retainer Ring .....	1
3	SK200-28	E2-49	Quill Shaft Bearing E2-49-1M012542 .....	1
4	207693	E2-49	Quill Shaft Oil Seal E2-49-1M112543 .....	1
5	207713		Quill Shaft .....	1
6	SK200-29		Mainshaft Outboard Support Bearing .....	1
7	207695		Mainshaft Outboard Support Bearing Spacer .....	1
8	207696	E2-49	Mainshaft Outboard Support Bearing Spacer "O" Ring 1M012545 .....	1
9	207694		Mainshaft Outboard Support .....	1
10	207699	D4-4	Mainshaft Front Bearing Cap Oil Seal .....	1
11	207697		Mainshaft Front Bearing Cap .....	1
12	207698		Mainshaft Front Bearing Cap Gasket .....	1
13	210FFG	D4-4	Mainshaft Front Bearing .....	1
14	800505		Transmission Case Assembly (Includes Item 35) .....	1
15	207708		Air Vent Screen — (Upper Right) .....	1
16	206699		Air Vent Screen Screw Washer .....	1
17	207709		Air Vent Screen Screw Washer .....	1
18	5C-610		Air Vent Screen Screw and Lockwasher .....	2
19	207711		Mainshaft .....	1
20	202750		Shift Lever Knob .....	1
21	205365		Mainshaft Rear Nut .....	1
22	204013		Mainshaft Front Bearing Cap Screw .....	6
23	6E-06		Mainshaft Front Bearing Cap Screw Lockwasher .....	6
24	205910		Pinion Shaft Nut .....	1
25	5J-405		Reverse Idler Shaft Key .....	1
26	206905		Pinion Shaft Front Bearing Spacer Shim .004 .....	A.R.
27	206906		Pinion Shaft Front Bearing Spacer Shim .007 .....	A.R.
28	206907		Pinion Shaft Front Bearing Spacer Shim .010 .....	A.R.
29	SK203-79		Pinion Shaft Front Bearing .....	1
30	207705		Reverse Idler Shaft .....	1
31	SK250-19		Pinion Shaft Front Bearing Locating Ring .....	1
32	100583		Transmission Case to Differential Housing Dowel Pin .....	1
33	13F-08		Drain Plug .....	1
34	207707		Control Cover Gasket .....	1
35	SK250-73		Pinion Shaft Rear Bearing Locating Ring .....	1
36	800506		Ring and Pinion Kit .....	1
37	SK203-80		Pinion Shaft Rear Bearing .....	1
38	200305		Shift Lever Assembly .....	1
39	207700		Mainshaft Front Bearing Oil Slinger .....	1

# NOTES

# 94DS-1 TRANSMISSION ASSEMBLY AND PARTS — Con't

Item	Part No.	DESCRIPTION	No. Req'd
40	207714	Mainshaft Reverse Gear .....	1
41	SK251-21	Mainshaft Reverse Gear Retaining Ring .....	1
42	207715	Mainshaft High Range Gear .....	1
43	207701	Mainshaft Gear Spacer.....	1
44	207716	Mainshaft Low Range Gear .....	1
45	SK250-33	Mainshaft Rear Bearing Retaining Ring .....	2
46	205	Mainshaft Rear Bearing .....	1
47	207702	Pinion Shaft Front Bearing Spacer .....	1
48	207723	Pinion Shaft High and Reverse Gear Assembly (Includes Item 49) ..	1
49	SK206-13	Pinion Shaft High and Reverse Gear Bearing .....	1
50	207703	Pinion Shaft High and Reverse Gear Bearing Sleeve .....	1
51	207720	Pinion Shaft High and Low Shift Hub Sleeve .....	1
52	207719	Pinion Shaft High and Low Shift Hub .....	1
53	207724	Pinion Shaft Low Range Gear Assembly (Includes Item 54).....	1
54	SK206-1	Pinion Shaft Low Range Gear Bearing .....	1
55	207725	Reverse Idler Gear Assembly (Includes Item 56).....	1
56	SK206-2	Reverse Idler Gear Bearing .....	1
57	207726	Shift Fork .....	1
58	202200	Shift Fork Poppet Spring .....	1
59	10J-12	Shift Fork Poppet Ball .....	1
60	206447	Shift Lever Arm .....	1
61	207706	Control Cover .....	1
62	200133	Shift Lever Arm Oil Seal.....	1
63	5J-606	Shift Lever Key .....	1
64	2C-632	Shift Lever Screw .....	1
65	4E-06	Shift Lever Screw Lockwasher .....	1
66	10D-06	Shift Lever Screw Nut .....	1
67	5C-612	Control Cover Screw and Lockwasher.....	8
68	207704	Pinion Shaft Low Range Gear Spacer.....	1
69	207710	Oil Return Tube.....	1
70	1C-616	Transmission to Flywheel Housing Bolt .....	12
71	4E-06	Transmission to Flywheel Housing Bolt Lockwasher .....	12
72	207727	Transmission to Differential Housing Gasket .....	1
73	208131	Mainshaft Hub .....	1
74	208130	Mainshaft Clutch Hub Snap Ring.....	1
75	SK-250-12	Quill Shaft Bearing Locating Ring.....	1

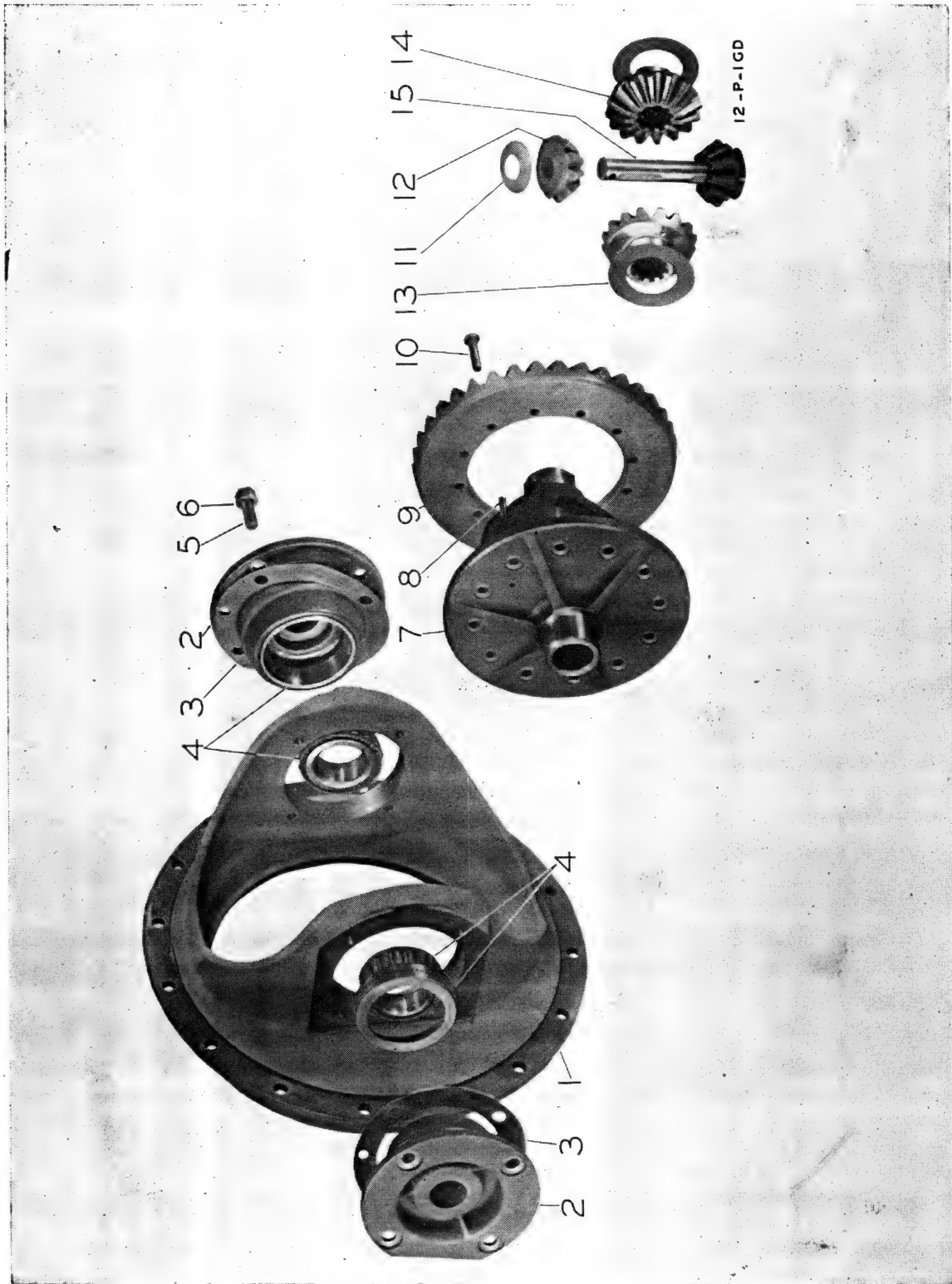


Figure 21 — Differential Housing, Differential Assembly and Parts

## DIFFERENTIAL HOUSING, DIFFERENTIAL ASSEMBLY AND PARTS (Fig. 21)

Item	Part No.	DESCRIPTION	No. Req'd
1	207691	Differential Housing .....	1
2	204269	Differential Bearing Carrier .....	2
3	204270	Differential Bearing Carrier Shim .005 .....	A.R.
4	SK203-2	Differential Bearing .....	2
5	1C-720	Differential Bearing Carrier Screw .....	8
6	6E-07	Differential Bearing Carrier Screw Lockwasher .....	8
7	203266	Differential Case .....	1
8	203229	Bevel Side Pinion Pin Lock Pin.....	1
9	800506	Ring and Pinion Kit.....	1
10	203228	Ring Gear Rivet.....	12
11	203267	Bevel Side Pinion Thrust Washer.....	2
12	203265	Bevel Side Pinion .....	2
13	203225	Bevel Side Gear Thrust Washer.....	2
14	203264	Bevel Side Gear .....	2
15	203227	Bevel Side Pinion Pin .....	1
16	100590	Differential Housing to Axle Housing Gasket .....	1
17	100583	Differential Housing to Case Dowel Pin .....	1
18	100261	Differential Housing to Axle Housing Stud .....	2
19	10D-07	Differential Housing to Axle Housing Stud Nut .....	2
20	1C-720	Differential Housing to Axle Housing Screw .....	11
21	6E-07	Differential Housing to Axle Housing Stud and Screw Lockwasher ..	13
22	207727	Differential Housing to Transmission Case Gasket .....	1
23	1C-720	Differential Housing to Transmission Case Screw .....	13
24	4E-07	Differential Housing to Transmission Case Screw Lockwasher .....	13
25	204271	Differential Bearing Carrier Shim .010.....	A.R.
26	800507	Differential Ring and Pinion Assembly (Includes Items 7 thru 15)....	1



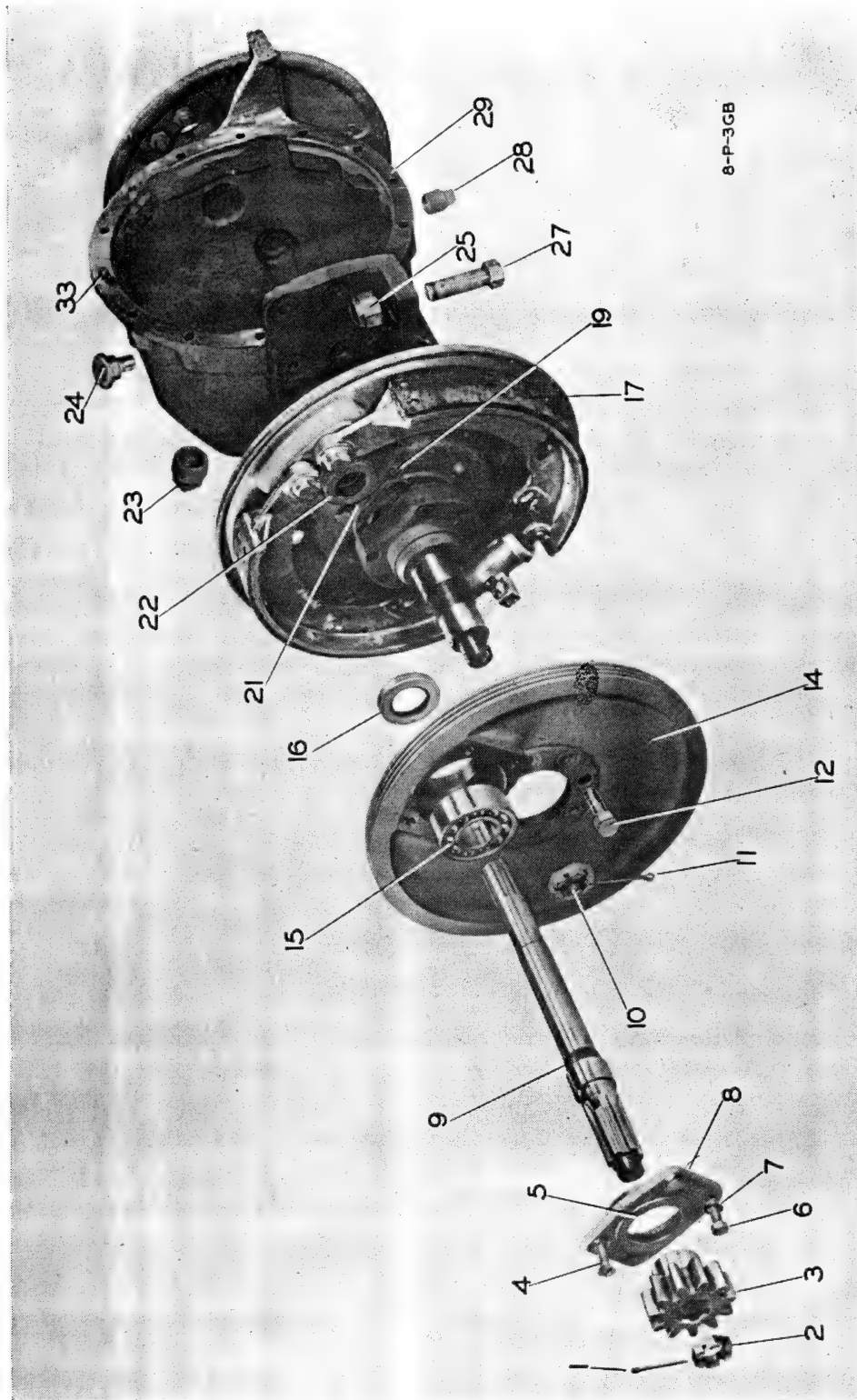


Figure 21A — Drive Axle Assembly and Parts

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**DRIVE AXLE ASSEMBLY AND PARTS (Fig. 21-A)**

Item	Part No.	DESCRIPTION	No. Req'd
	FD10500-2	Drive Axle Assembly .....	1
1	1F-424	Pinion Drive Shaft Nut Cotter Pin .....	2
2	100575	Pinion Drive Shaft Nut .....	2
3	100408	Pinion Drive Shaft Gear .....	2
4	7G-614	Pinion Drive Shaft Bearing Cap Screw .....	4
5	100407 <i>E3-25</i>	Pinion Drive Shaft Bearing Cap Oil Seal .....	2
6	1C-614	Pinion Drive Shaft Bearing Cap Screw .....	4
7	6E-06	Pinion Drive Shaft Bearing Cap Screw Lockwasher .....	4
8	100406	Pinion Drive Shaft Bearing Cap .....	2
9	100574	Pinion Drive Shaft .....	2
10	100575	Axle Shaft Nut .....	2
11	1F-424	Axle Shaft Nut Cotter Pin .....	2
12	100593	Drive Wheel Disc Screw .....	14
13	201553-17	Drive Wheel Disc Screw Lockwire .....	2
14	103836	Drive Wheel Disc .....	2
15	2307	Pinion Drive Shaft Bearing .....	2
16	100587 <i>E2-48</i>	Pinion Drive Shaft Oil Seal (Outer) .....	2
17	103829	Brake Assembly (Complete) L.H. ....	1
18	103828	Brake Assembly (Complete) R.H. ....	1
19	103375	Brake Disc Bolt .....	8
20	100592	Brake Disc Screw .....	4
21	201553-9	Brake Disc Screw Lockwire .....	2
22	100586	Pinion Drive Shaft Oil Seal (Inner) .....	2
23	13F-16	Axle Housing Filler Plug .....	1
24	103452	Axle Housing Breather Assembly .....	1
25	10D-12	Drive Axle to Frame Bolt Nut .....	6
26	100589	Grease Retainer Disc .....	2
27	2C-1240	Drive Axle to Frame Bolt .....	6
28	13F-08	Axle Housing Drain Plug .....	1
29	102934	Drive Axle Housing Assembly (Including Items 48, 49, 50) .....	1
30	100401	Upright Support Shaft .....	1
31	100402	Upright Support Shaft Snap Ring .....	2
32	103376	Brake Disc Bolt Nut .....	8
33	100583	Drive Axle to Differential Housing Dowel Pin .....	1
34	4E-12	Drive Axle to Frame Bolt Lockwasher .....	6
35	100582	Brake Line Tee Assembly .....	1
36	100577	Brake Line Assembly L.H. ....	1
37	100576	Brake Line Assembly R.H. ....	1
38	100261	Drive Axle to Differential Housing Stud .....	2
39	10D-07	Drive Axle to Differential Housing Stud Nut .....	2
40	1C-720	Drive Axle to Differential Housing Screw .....	11
41	6E-07	Drive Axle to Differential Housing Stud and Screw Lockwasher .....	13
42	100590	Drive Axle to Differential Housing Gasket .....	1
43	1C-510	Brake Line Tee to Axle Housing Screw .....	2
44	4E-05	Brake Line Tee to Axle Housing Screw Lockwasher .....	2
45	100591	Brake Line Clip .....	1
46	613418	Brake Line Grommet .....	2

# NOTES

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## BRAKE ASSEMBLY AND PARTS (Fig. 22)

Item	Part No.	DESCRIPTION	No. Req'd
	103828	Brake Assembly R.H. (Complete) .....	1
	103829	Brake Assembly L.H. (Complete) .....	1
1	101324 <i>E4-28</i>	Brake Shoe Assembly (Includes Items 10, 11, 12) .....	2
2	101337	Brake Release Spring .....	1
3	102322	Brake Shoe Guide Pin Plain Washer .....	4
4	100864 <i>E2-53</i>	Brake Shoe Adjusting Cam .....	2
5	100865 <i>E2-53</i>	Brake Shoe Adjusting Cam Spring .....	2
6	101323 <i>E2-53</i>	Brake Shoe Adjusting Cam Pin .....	2
7	100867 <i>E2-53</i>	Brake Shoe Adjusting Cam Pin Washer .....	2
8	101333 <i>E2-53</i>	Brake Shoe Guide Pin .....	2
9	100878 <i>E2-53</i>	Brake Shoe Guide Pin "C" Washer .....	2
10	101328	Brake Shoe Bushing .....	2
11	101329 <i>D4-28</i>	Brake Shoe Lining .....	2
12	3H-912 <i>D4-28</i>	Brake Shoe Lining Rivet .....	10
13	101331 <i>E2-53</i>	Brake Shoe Anchor Pin .....	2
14	101332 <i>E2-53</i>	Brake Shoe Anchor Pin "C" Washer .....	2
15	10D-10 <i>E2-53</i>	Brake Shoe Anchor Pin Nut .....	2
16	7E-10 <i>E2-53</i>	Brake Shoe Anchor Pin Nut Lockwasher .....	2
17	103375	Brake Disc Bolt .....	8
18	103376	Brake Disc Bolt Nut .....	8
19	100592	Brake Disc Screw .....	4
20	201553-9	Brake Disc Screw Lockwire .....	2
21	103830	Brake Assembly R.H. (Less Wheel Cylinder, Includes Items 1 thru 16 and 23) .....	1
22	103831	Brake Assembly L.H. (Less Wheel Cylinder, Includes Items 1 thru 16 and 24) .....	1
23	103832	Brake Disc Assembly R.H. (Includes Items 4 thru 7) .....	1
24	103833	Brake Disc Assembly L.H. (Includes Items 4 thru 7) .....	1
25	100585	Wheel Cylinder Assembly .....	2
26	1C-510	Wheel Cylinder Screw .....	4
27	6E-05	Wheel Cylinder Screw Lockwasher .....	4

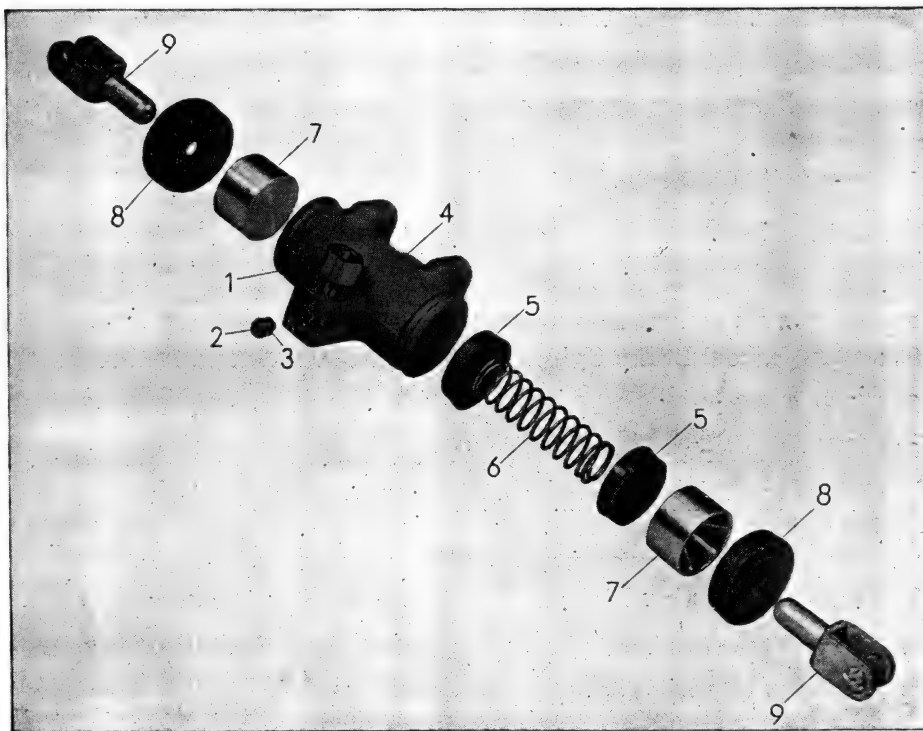


Figure 23 — Wheel Brake Cylinder and Parts

## WHEEL BRAKE CYLINDER AND PARTS (Fig. 23)

Item	Part No.	DESCRIPTION	No. Req'd
	100585 <i>D4-17</i>	Wheel Brake Cylinder Assembly (Includes Items 1 thru 9).....	2
1	851618	Inlet Fitting .....	1
2	8B-61	Bleeder Screw .....	1
3	851620	Bleeder Screw Gasket .....	1
4	853661	Wheel Brake Cylinder Body.....	1
5	851622 <i>E2-51</i>	Piston Cup .....	2
6	851614	Return Spring .....	1
7	851613	Piston .....	2
8	851616 <i>E2-51</i>	Boot .....	2
9	851617	Connecting Link .....	2
10	851621	Wheel Brake Cylinder Repair Kit (Includes Items 5 and 8).....	A.R.
11	1C-510	Wheel Brake Cylinder Screw .....	4
12	6E-05	Wheel Brake Cylinder Screw Lockwasher .....	4

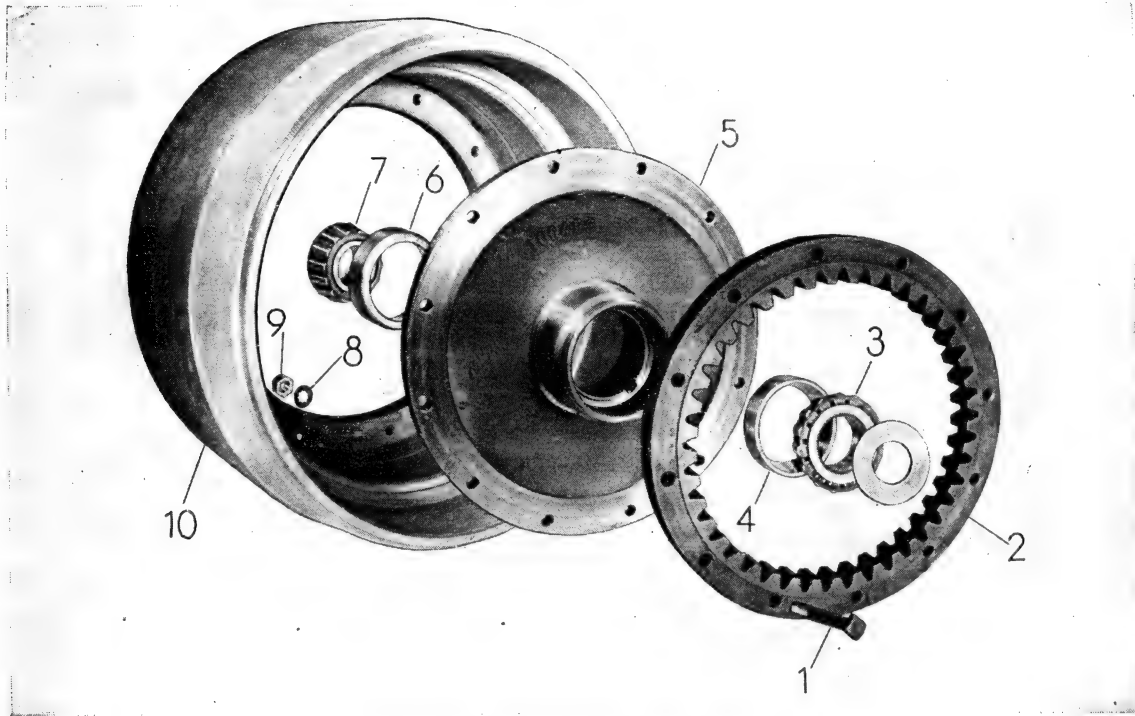


Figure 24 — Drive Wheels and Tires

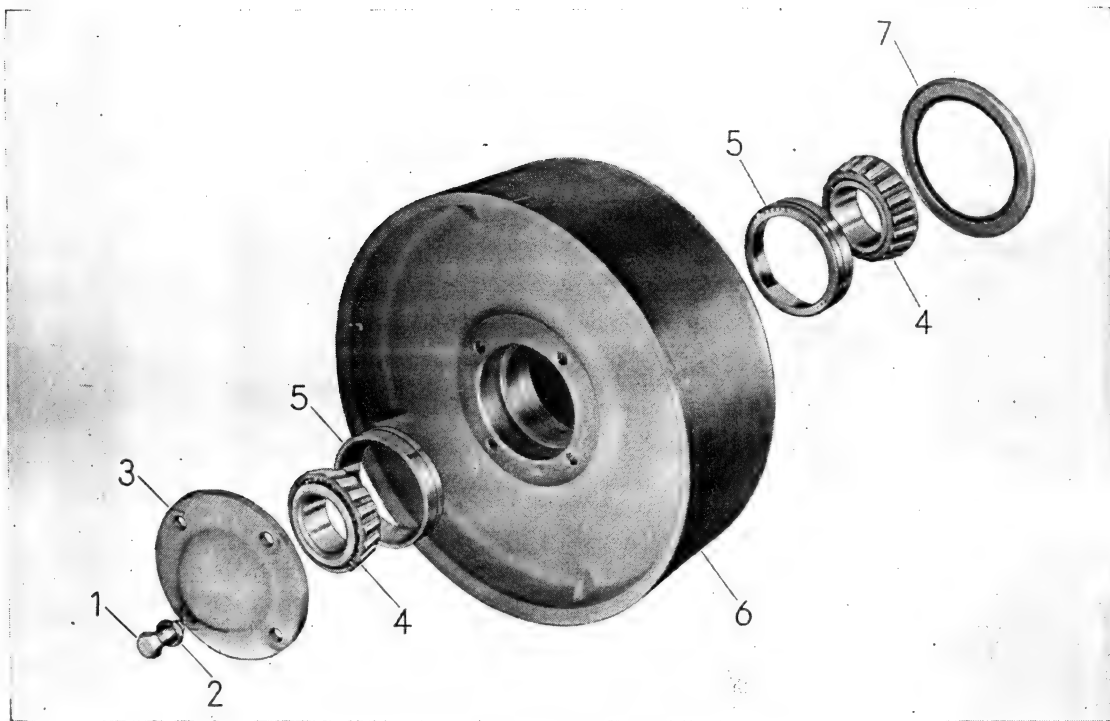


Figure 25 — Rear Steering Wheels and Tires

**GAS CARLOADER****613491 DRIVE WHEELS AND TIRES (Fig. 24)**

Item	Part No.	DESCRIPTION	No. Req'd
	102778	Drive Wheel Assembly (Includes Items 1, 2, 4 thru 6, 8 thru 13)....	2
1	100426	Ring Gear Bolt .....	12
2	853662	Ring Gear Set (Includes Items 1, 8, 9).....	A.R.
3	3578	Bearing Cone (Inner).....	2
4	3525	Bearing Cup (Inner).....	1
5	100430	Hub and Bearing Cup Assembly (Includes Items 4 and 6).....	1
6	3329	Bearing Cup (Outer) .....	1
7	3387	Bearing Cone (Outer) .....	2
8	4E-06	Ring Gear Bolt Lockwasher .....	12
9	10D-06	Ring Gear Bolt Nut .....	12
10	102779	Wheel Rim .....	1
11	100427 <i>D4-30</i>	Hub Cap .....	1
12	1C-612	Hub Cap Screw .....	4
13	6E-05	Hub Cap Screw Lockwasher .....	4
14	612509	Drive Wheel Tire (21 x 7 x 15 Cushion-Type) (46" W.B.).....	2
15	612511	Drive Wheel Tire (21 x 5 x 15 Cushion-Type) (40" W.B.).....	2
16	100589	Grease Retaining Washer.....	2

**REAR STEERING WHEELS AND TIRES (Fig. 25)***LOCATION*

	102771	Rear Steering Wheel Assembly (Includes Items 1 thru 3, 5 thru 7)	2
1	1C-612	Hub Cap Screw .....	4
2	4E-06	Hub Cap Screw Lockwasher.....	4
3	100415 <i>D4-30</i>	Hub Cap .....	1
4	26882	Bearing Cone (Inner and Outer).....	4
5	26822	Bearing Cup (Inner and Outer).....	2
6	102772	Wheel Spider and Bearing Cup Assembly (Includes Item 5).....	1
7	100414 <i>D4-19</i>	Oil Seal .....	1
8	612512	Rear Steering Wheel Tire (15½ x 6 x 10 Cushion-Type) (46" W.B.)	2
9	615510	Rear Steering Wheel Tire (15½ x 5 x 10 Cushion-Type) (46" W.B.)	2



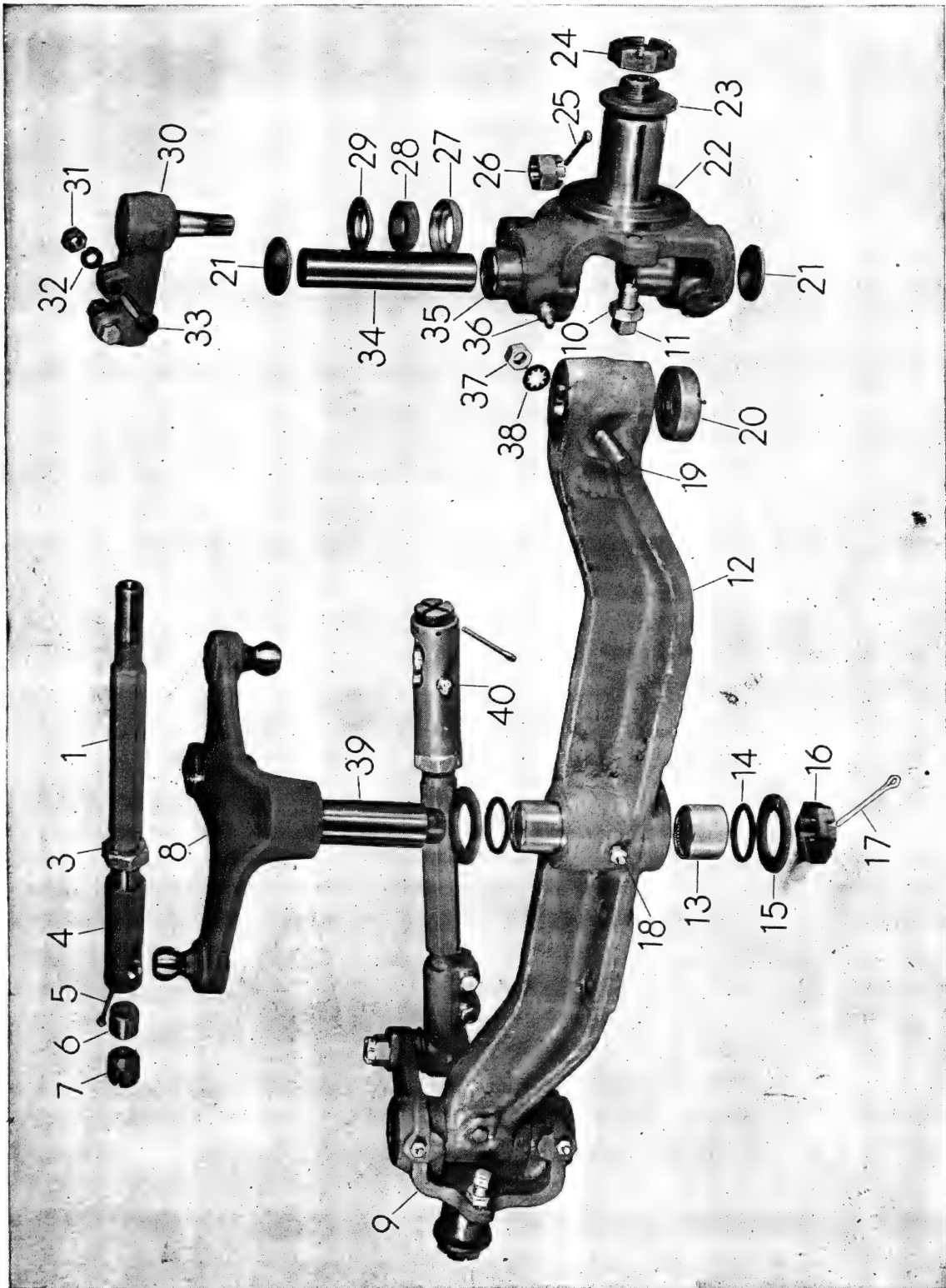


Figure 26 — Rear Steering Axle Assembly and Parts

## REAR STEERING AXLE ASSEMBLY AND PARTS (Fig. 26)

Item	Part No.	LOCATION	DESCRIPTION	No. Req'd
	RS-4550-2		Rear Steering Axle Assembly (Includes Items 1 thru 42).....	1
1	100206		Tie Rod Assembly (Includes Items 2 thru 7 and Item 30).....	2
2	100180		Tie Rod .....	1
3	1D-05		Tie Rod Ball Socket Lock Nut.....	1
4	100185	<i>D4-18</i>	Tie Rod Ball Socket .....	1
5	1F-428		Tie Rod Ball Socket Adjusting Cup Cotter Pin.....	1
6	100186	<i>E2-53</i>	Tie Rod Ball Socket Pressure Cup .....	1
7	100187	<i>E2-65</i>	Tie Rod Ball Socket Adjusting Cup .....	1
8	101542		Steering Arm Assembly (Includes Item 39).....	1
9	101524	<i>D4-19</i>	Steering Spindle Assembly, R.H. (Includes Item 35).....	1
10	11D-08		Steering Spindle Stop Bolt Nut .....	4
11	13G-816		Steering Spindle Stop Bolt .....	4
12	101528		Axle Center Assembly (Includes Item 13) .....	1
13	B-2020-X	<i>E2-54</i>	Axle Center Bearing .....	2
14	101532	<i>E2-55</i>	Axle Center Bearing "O" Ring Seal .....	2
15	101533	<i>E2-54</i>	Steering Arm Pin Thrust Washer .....	2
16	100575		Steering Arm Pin Nut .....	1
17	1F-428		Steering Arm Pin Nut Cotter Pin .....	1
18	12H-1		Steering Arm Pin and Axle Center Bearing Lubrication Fitting.....	1
19	100184		Steering Spindle Pin Draw Bo't .....	2
20	T-113	<i>E2-54</i>	Steering Spindle Thrust Bearing .....	2
21	<i>E1-30</i> 12F-108	<del>E2-54</del>	Steering Spindle Expansion Plug .....	4
22	101525	<i>D4-19</i>	Steering Spindle Assembly, L.H. (Includes Item 35).....	1
23	100588		Steering Wheel Retaining Washer .....	2
24	100575		Steering Wheel Retaining Nut .....	2
25	1F-416		Tie Rod End Ball Bolt Cotter Pin .....	1
26	6D-10		Tie Rod End Ball Bolt Nut .....	1
27	100195		Tie Rod End Ball Seal Retainer .....	1
28	100199		Tie Rod End Ball Seal .....	1
29	100196		Tie Rod End Dust Shield .....	1
30	100209	<i>D4-16</i>	Tie Rod End Assembly (Includes Items 25 thru 29 and 31 thru 33 and Item 4f) .....	2
31	1D-06		Tie Rod End Clamp Bolt Nut .....	2
32	4E-06		Tie Rod End Clamp Bolt Nut Lockwasher .....	2
33	1C-624		Tie Rod End Clamp Bolt .....	2
34	101523	<i>E2-59</i>	Steering Spindle Pin .....	2
35	<i>242</i> B-1816-X	<del>E2-58</del>	Steering Spindle Bearing <i>Same as 203-21 location</i> .....	2
36	10H-2		Steering Spindle Bearing and Tie Rod End Lubrication Fitting.....	6
37	1D-06		Steering Spindle Pin Draw Bolt Nut .....	2
38	6E-06		Steering Spindle Pin Draw Bolt Lockwasher .....	2
39	101531	<i>E2-65</i>	Steering Arm Pin .....	1
40	12H-2		Tie Rod Ball Socket Lubrication Fitting.....	2
41	100198		Tie Rod End Dust Shield Washer.....	1
42	100188		Tie Rod End and Bolt Sub-Assembly .....	2
43	1F-428		Steering Spindle Cotter Pin.....	2

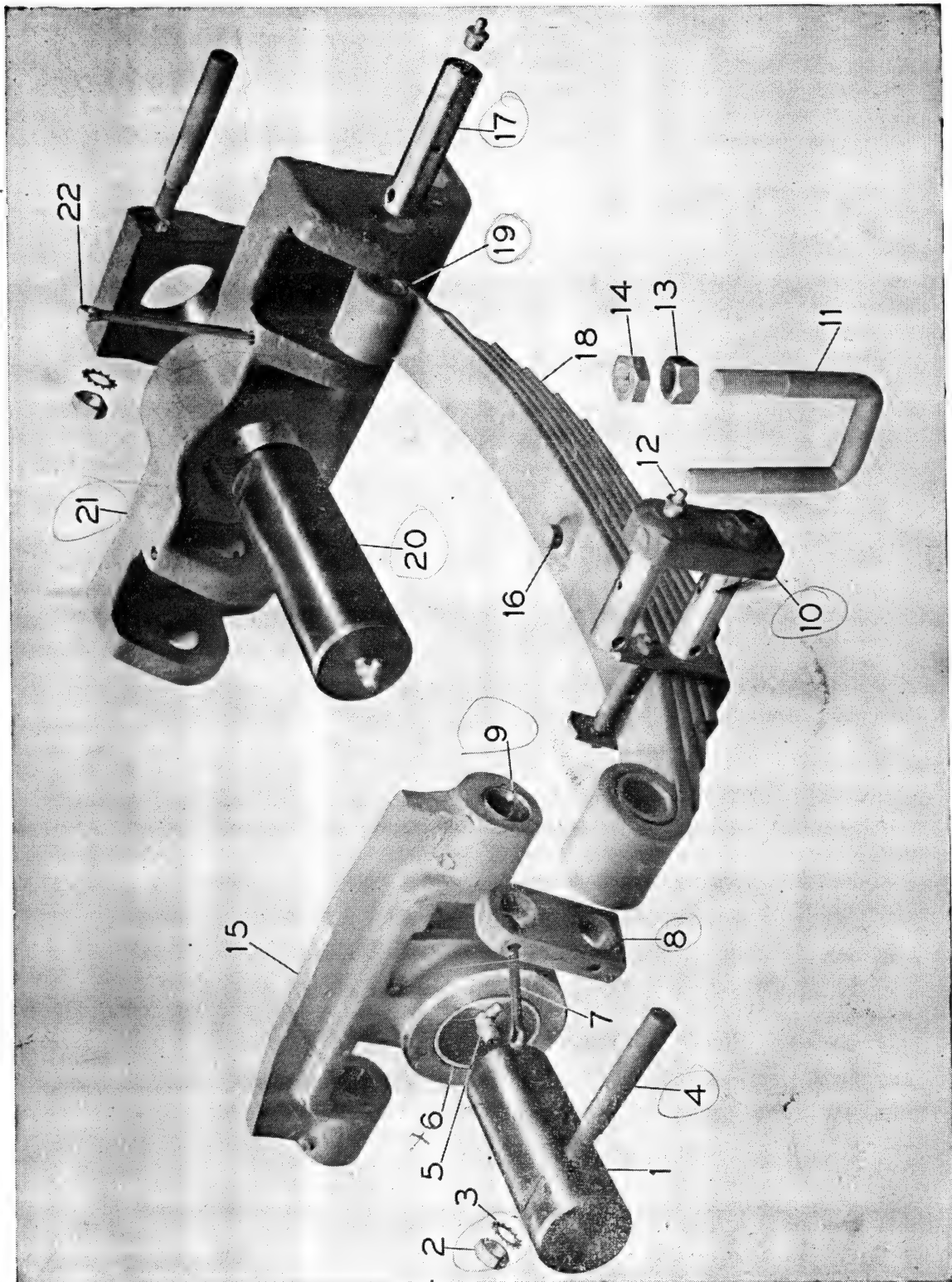


Figure 27—Rear Springs, Spring Shackles and Pivot Yokes

## REAR SPRINGS, SPRING SHACKLES AND PIVOT YOKES

Item	Part No.	LOCATION	DESCRIPTION	No. Req'd
1	620099		Pivot Yoke Shaft — Rear .....	1
2	8D-08		Pivot Yoke Shaft Draw Key Nut .....	2
3	5E-08		Pivot Yoke Shaft Draw Key Nut Lockwasher .....	2
4	620098	E2-65	Pivot Yoke Shaft Draw Key .....	2
5	12H-1		Pivot Yoke Shaft Grease Fitting .....	2
6	854012		Pivot Yoke Bushing — Rear .....	1
7	1F-836		Spring Shackle Bar Cotter Pin .....	4
8	604359		Spring Shackle Bar .....	2
9	854005	E2-47	Pivot Yoke Bushing .....	2
10	604349		Spring Shackle Assembly .....	2
11	604361	D4-26	Spring "U" Bolt .....	4
12	10H-2		Spring Shackle and Anchor Pin Grease Fitting .....	6
13	10D-10	E2-57	Spring "U" Bolt Nut .....	8
14	8D-10	E2-57	Spring "U" Bolt Jam Nut .....	8
15	611168		Pivot Yoke Rocker Arm Assembly (Includes Items 6, 9) .....	1
16	854048		Spring Center Bolt .....	2
17	604387		Spring Anchor Pin .....	2
18	614015		Rear Spring (Includes Items 16, 19) .....	2
19	613466		Spring Bushing .....	2
20	620100		Pivot Yoke Shaft — Front .....	1
21	620937		Pivot Yoke — Front .....	1
22	1F-860		Spring Anchor Pin Cotter Pin .....	2

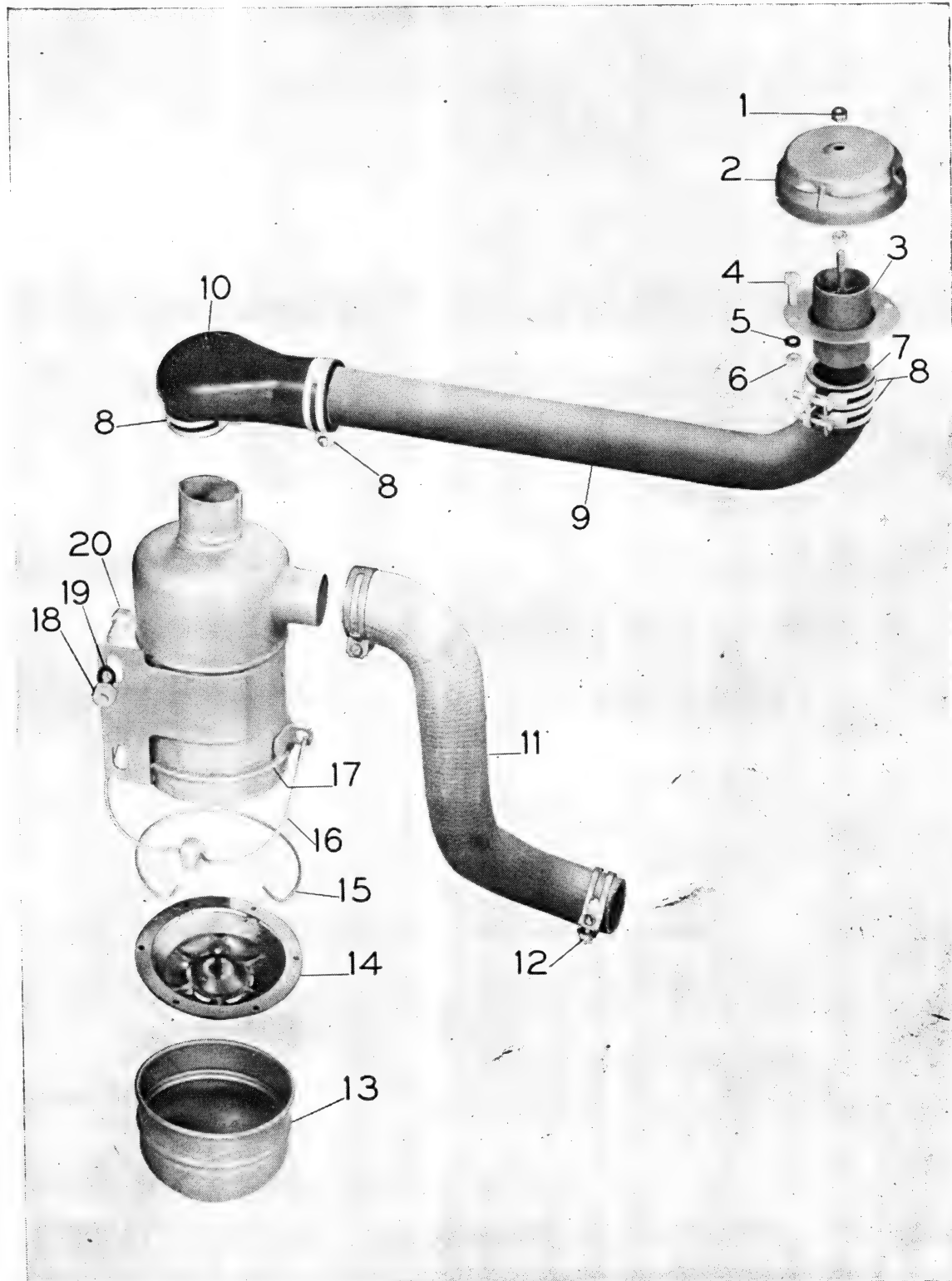


Figure 28 — Air Cleaner Assembly and Parts

## AIR CLEANER ASSEMBLY AND PARTS (Fig. 28)

Item	Part No.	DESCRIPTION	No. Req'd
	615808	Air Cleaner Assembly (Includes Items 13 through 17) .....	1
1	1D-04	Air-Cleaner Cap Nut .....	2
2	611252	Air Cleaner Cap .....	1
3	615793	Air Cleaner Cap Support Tube Assembly .....	1
4	1C-414	Air Cleaner Cap Support Tube Bolt .....	2
5	4E-04	Air Cleaner Cap Support Tube Bolt Lockwasher .....	2
6	1D-04	Air Cleaner Cap Support Tube Bolt Nut .....	2
7	1M-14014	Air Cleaner Hose — Upper .....	1
8	4H-34	Air Cleaner Elbow and Hose Clamp .....	4
9	618698	Air Cleaner Tube .....	1
10	611077	Air Cleaner Elbow .....	1
11	603971	Air Cleaner to Carburetor Hose .....	1
12	4H-30	Air Cleaner to Carburetor Hose Clamp .....	2
13	854908	Oil Cup .....	1
14	854906	Baffle Assembly .....	1
15	854907	Baffle Retainer Ring .....	1
16	853704	Roller and Bail Assembly .....	1
17	853702	Oil Cup Gasket .....	1
18	1D-05	Air Cleaner Mounting Bolt Nut .....	2
19	4E-05	Air Cleaner Mounting Bolt Lockwasher .....	2
20	1C-512	Air Cleaner Mounting Bolt .....	2

# NOTES

## RADIATOR AND ATTACHING PARTS

Item	Part No. <i>Location</i>	DESCRIPTION	No. Req'd
1	855844 <i>D4-15</i>	Radiator Cap ..... <i>D4-15</i>	1
2	604379	Radiator Vibration Damper .....	1
3	4H-34	Radiator Hose Clamp — Upper .....	2
4	603532 <i>D4-15</i>	Radiator Hose — Upper .....	1
5	601250 <i>D4-14</i>	Radiator Hose — Lower .....	1
6	4H-30	Radiator Hose Clamp — Lower .....	2
7	14P-8	Radiator Drain Cock .....	1
8	626060	Radiator (Includes Item 1) .....	1
9	1D-06	Radiator Mounting Bracket Screw Nut (Used on 46" W.B.) .....	4
10	4E-06	Radiator Mounting Bracket Screw Lockwasher (Used on 46" W.B.) .....	4
11	103293	Radiator Mounting Bracket Screw Washer (Used on 46" W.B.) .....	4
12	601561	Radiator Mounting Pad .....	4
13	1C-612	Radiator Mounting Bracket Screw (Used on 46" W.B.) .....	4
14	1C-612	Radiator Mounting Screw .....	4
15	4E-06	Radiator Mounting Screw Lockwasher .....	4
16	602405	Radiator Mounting Bracket (Used on 46" W.B.) .....	2



# NOTES

**FLOOR PLATES AND PARTS**

Item	Part No.	DESCRIPTION	No. Req'd
1	625538	Floor Plate, R.H. ....	1
2	103293	Floor Plate Bolt Plain Washer .....	11
3	4E-06	Floor Plate Bolt Lockwasher .....	11
4	1C-612	Floor Plate Bolt .....	11
5	625539	Floor Plate, L.H. ....	1
6	602500	Floor Plate Support Angle Assembly .....	1
7	1D-06	Floor Plate Support Angle to Frame Bolt Nut .....	4
8	4E-06	Floor Plate Support Angle to Frame Bolt Nut Lockwasher .....	4
9	7G-620	Floor Plate Support Angle to Frame Bolt .....	4
10	625540	Floor Plate Support Angle — Rear .....	1
11	1C-820	Floor Plate Support Angle Bolt .....	3
12	4E-08	Floor Plate Support Angle Bolt Lockwasher .....	3

## NOTES

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**ACCELERATOR PEDAL AND LINKAGE,  
CATERPILLAR RESISTOR PEDAL AND PARTS**

Item	Part No.	LOCATION	DESCRIPTION	No. Req'd
1	623829	<del>D4-29</del>	Accelerator and Caterpillar Resistor Pedal .....	2
2	623760		Accelerator and Caterpillar Resistor Pedal Bracket .....	2
3	1C-410		Pedal Bracket to Floor Plate Bolt .....	4
4	4E-04		Pedal Bracket to Floor Plate Bolt Lockwasher .....	4
5	1D-04		Pedal Bracket to Floor Plate Bolt Nut .....	4
6	623762		Pedal to Bracket Pin .....	2
7	1F-316		Pedal to Bracket Pin Cotter Pin .....	2
8	625531		Accelerator Cross Shaft Assembly (Includes Item 9) .....	1
9	601163		Accelerator Cross Shaft Hanger .....	2
10	1C-410		Accelerator Cross Shaft Hanger Bolt .....	4
11	4E-04		Accelerator Cross Shaft Hanger Bolt Lockwasher .....	4
12	1D-04		Accelerator Cross Shaft Hanger Bolt Nut .....	4
13	604145		Accelerator Bell Crank Assembly (Includes Item 14) .....	1
14	604147		Accelerator Bell Crank Hanger .....	2
15	1C-410		Accelerator Bell Crank Hanger Bolt .....	2
16	4E-04		Accelerator Bell Crank Hanger Bolt Lockwasher .....	2
17	1D-04		Accelerator Bell Crank Hanger Bolt Nut .....	2
18	625533		Accelerator Pedal Rod .....	1
19	4F-04051	<del>E2-62</del>	Accelerator Pedal to Pedal Rod Pin .....	1
20	1F-210		Accelerator Pedal to Pedal Rod Pin Cotter Pin .....	1
21	1F-212		Accelerator Pedal Rod Cotter Pin .....	1
22	604396	<del>E2-41</del>	Accelerator Spring .....	1
23	604282		Accelerator Rod .....	1
24	1F-316		Accelerator Rod Cotter Pin .....	2
25	604148		Accelerator Slip Rod .....	1
26	604149		Accelerator Slip Rod Assembly .....	1
27	4J-4200		Accelerator Rod Yoke .....	3
28	4F-04051	<del>E2-62</del>	Accelerator Rod Yoke Pin .....	3
29	10D-04		Accelerator Rod Yoke Lock Nut .....	3
30	1F-208		Accelerator Rod Yoke Pin Cotter Pin .....	3
31	625534		Caterpillar Resistor Control Rod .....	1
32	1F-208		Caterpillar Resistor to Control Rod Cotter Pin .....	1
33	4J-4200		Caterpillar Resistor Control Rod Yoke .....	1
34	10D-04		Caterpillar Resistor Control Rod Yoke Lock Nut .....	1
35	625535		Caterpillar Resistor Lever Arm Pin .....	1
36	625536		Caterpillar Resistor Return Spring Bracket .....	1
37	604396		Caterpillar Resistor Return Spring .....	1

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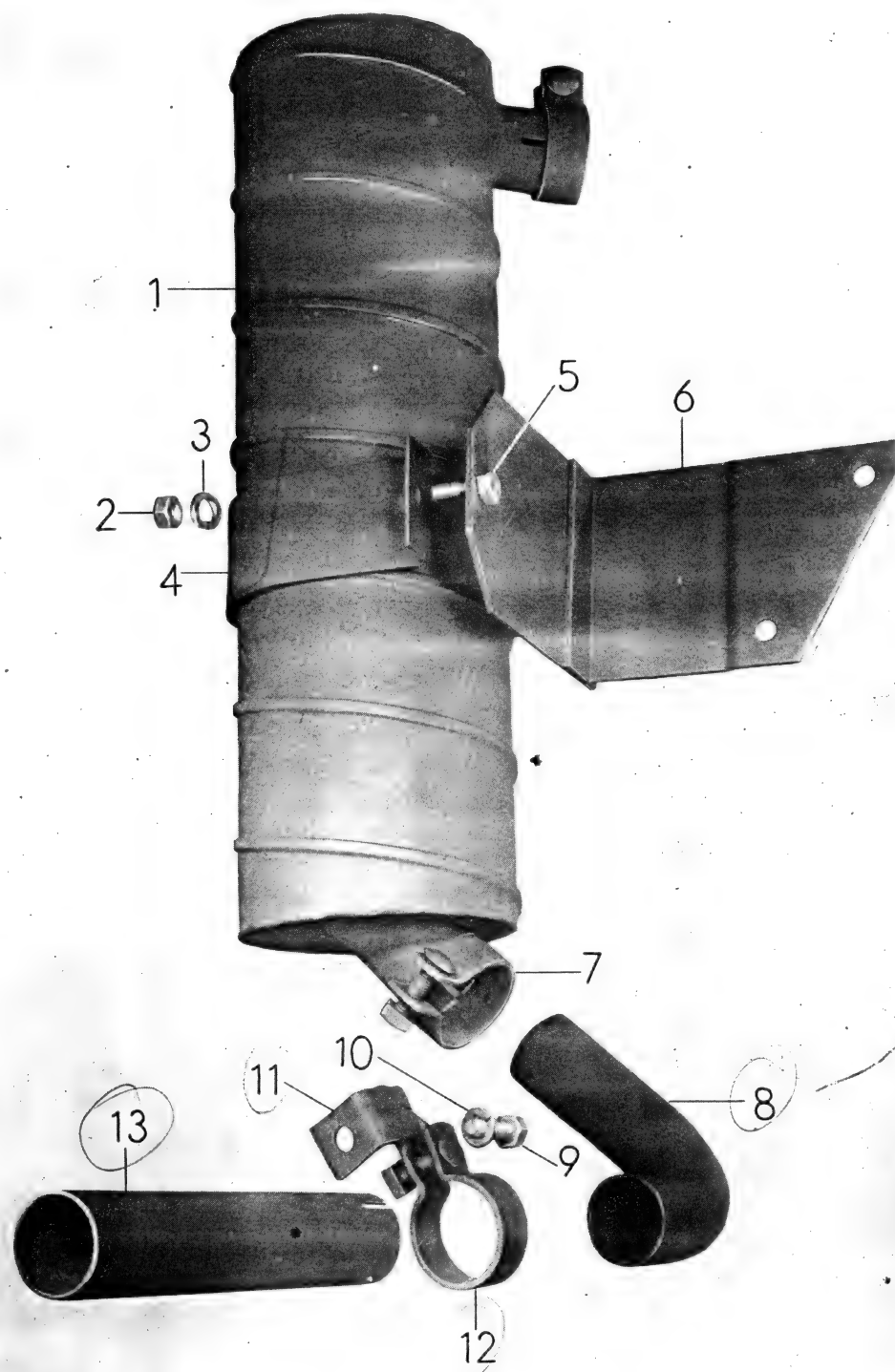


Figure 29 — Muffler, Exhaust Pipe and Tail Pipe

## MUFFLER, EXHAUST PIPE AND TAIL PIPE (Fig. 29)

Item	Part No.	DESCRIPTION	No. Req'd
1	602311	Muffler — With Clamps .....	1
2	1D-05	Muffler Strap Clamp Bolt Nut .....	2
3	2E-05	Muffler Strap Clamp Bolt Nut Lockwasher .....	2
4	602320	Muffler Strap .....	1
5	1C-514	Muffler Strap Clamp Bolt .....	2
6	602322	Muffler Support Bracket .....	1
7	612319	Exhaust and Tail Pipe Clamp .....	2
8	602314	Tail Pipe .....	1
9	1C-610	Tail Pipe Clamp Hanger Bolt .....	1
10	4E-06	Tail Pipe Clamp Hanger Bolt Lockwasher .....	1
11	602323	Tail Pipe Clamp Hanger .....	1
12	602319	Tail Pipe Clamp .....	1
13	602315	Tail Pipe Extension, 40" W.B. ....	1
14	602316	Tail Pipe Extension, 46" W.B. ....	1
15	603522	Exhaust Pipe Flange <i>D4-6</i> .....	1
16	603533	Exhaust Pipe Flange Gasket .....	1
17	602317	Exhaust Pipe <i>D4-6</i> .....	1
18	602428	Exhaust Pipe Flange Stud .....	2
19	1D-06B	Exhaust Pipe Flange Stud Nut .....	2

# NOTES

**FRAME ASSEMBLY (40" W.B.)**

Item	Part No.	DESCRIPTION	No. Req'd
1	625518	Frame Assembly (Includes Items 2, 3).....	1
2	854007	Tilt Cylinder Boss Bushing .....	2
3	854013	Pivot Support Yoke Bushing .....	1

**FRAME ASSEMBLY (46" W.B.)**

1	625513	Frame Assembly (Includes Items 2, 3).....	1
2	854007	Tilt Cylinder Boss Bushing .....	2
3	854013	Pivot Support Yoke Bushing .....	1



# NOTES

**CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION**

**HOOD, SIDE LOUVERS AND SIDE SILLS (40" W.B.)**

Item	Part No.	DESCRIPTION	No. Req'd
1	625547	Hood L.H. ....	1
2	625552	Hood R.H. ....	1
3	602408	Side Louver ....	2
4	7G-410	Side Louver to Hood Bolt ....	6
5	619018	Side Louver to Hood Bolt Washer ....	6
6	4E-04	Side Louver to Hood Bolt Lockwasher ....	6
7	1D-04	Side Louver to Hood Bolt Nut ....	6
8	604122	Side Sill R.H. ....	1
9	604121	Side Sill L.H. ....	1
10	7G-520	Side Sill Bolt ....	6
11	4E-05	Side Sill Bolt Lockwasher ....	6
12	619019	Side Sill Bolt Washer ....	6
13	1D-05	Side Sill Bolt Nut ....	6
14	1C-612	Hood Bolt ....	1
15	4E-06	Hood Bolt Lockwasher ....	1

**HOOD, SIDE LOUVERS AND SIDE SILLS (46" W.B.)**

16	625553	Hood L.H. ....	1
17	625548	Hood R.H. ....	1
18	602403	Side Louver ....	2
19	7G-410	Side Louver to Hood Bolt ....	6
20	619018	Side Louver to Hood Bolt Washer ....	6
21	4E-04	Side Louver to Hood Bolt Lockwasher ....	6
22	1D-04	Side Louver to Hood Bolt Nut ....	6
23	604120	Side Sill R.H. ....	1
24	604119	Side Sill L.H. ....	1
25	7G-520	Side Sill Bolt ....	8
26	4E-05	Side Sill Bolt Lockwasher ....	8
27	619019	Side Sill Bolt Washer ....	8
28	1D-05	Side Sill Bolt Nut ....	8
29	1C-612	Hood Bolt ....	2
30	4E-06	Hood Bolt Lockwasher ....	2
31	7G-616	Hood to Sump Tank Bolt ....	2
32	7G-624	Hood to Angle Bolt ....	2
33	206699	Hood to Angle Bolt Washer ....	2
34	4E-06	Hood to Sump Tank and Angle Bolt Lockwasher ....	4
35	1D-06	Hood to Sump Tank and Angle Bolt ....	4

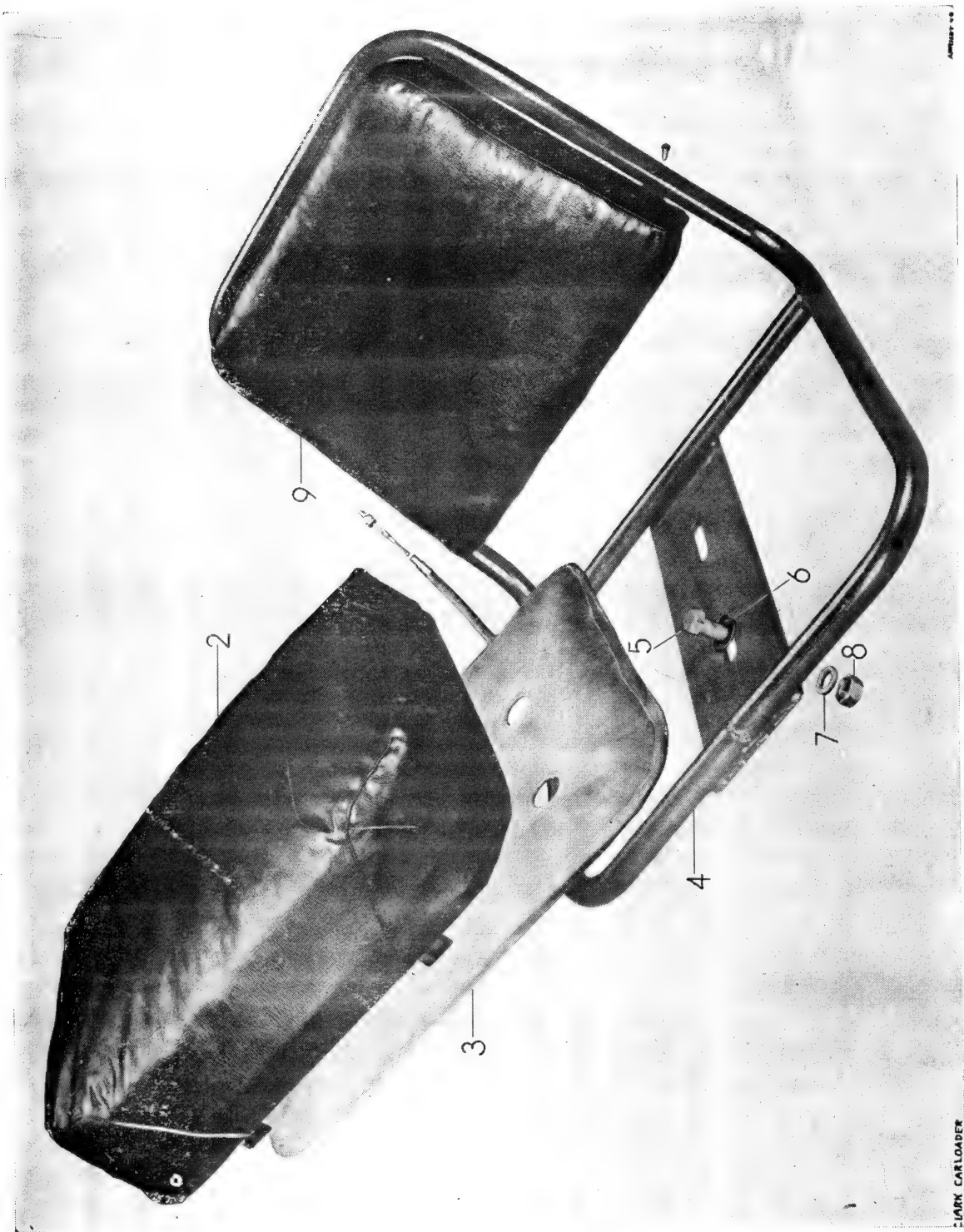


Figure 30 — Seat Assembly and Parts

## SEAT ASSEMBLY AND PARTS (Fig. 30)

Item	Part No.	DESCRIPTION	No. Req'd
1	624240	Seat Assembly (Includes Items 2 through 4, 9 through 15) .....	1
2	624435	Seat Cushion .....	1
3	857490	Seat Cushion Air Bag .....	1
4	612412	Seat Frame .....	1
5	1C-820	Seat Frame to Hood Bolt .....	2
6	619027	Seat Frame to Hood Bolt Plain Washer .....	2
7	4E-08	Seat Frame to Hood Bolt Lockwasher .....	2
8	1D-08	Seat Frame to Hood Bolt Nut .....	2
9	613952	Seat Back Rest .....	1
10	18G-1014	Seat Back Rest to Frame Screw .....	4
11	6H-20	Clips .....	2
12	1C-520	Clip Bolts .....	2
13	619019	Clip Bolt Washer .....	2
14	4E-05	Clip Bolt Lockwasher .....	2
15	1D-05	Clip Bolt Nut .....	2

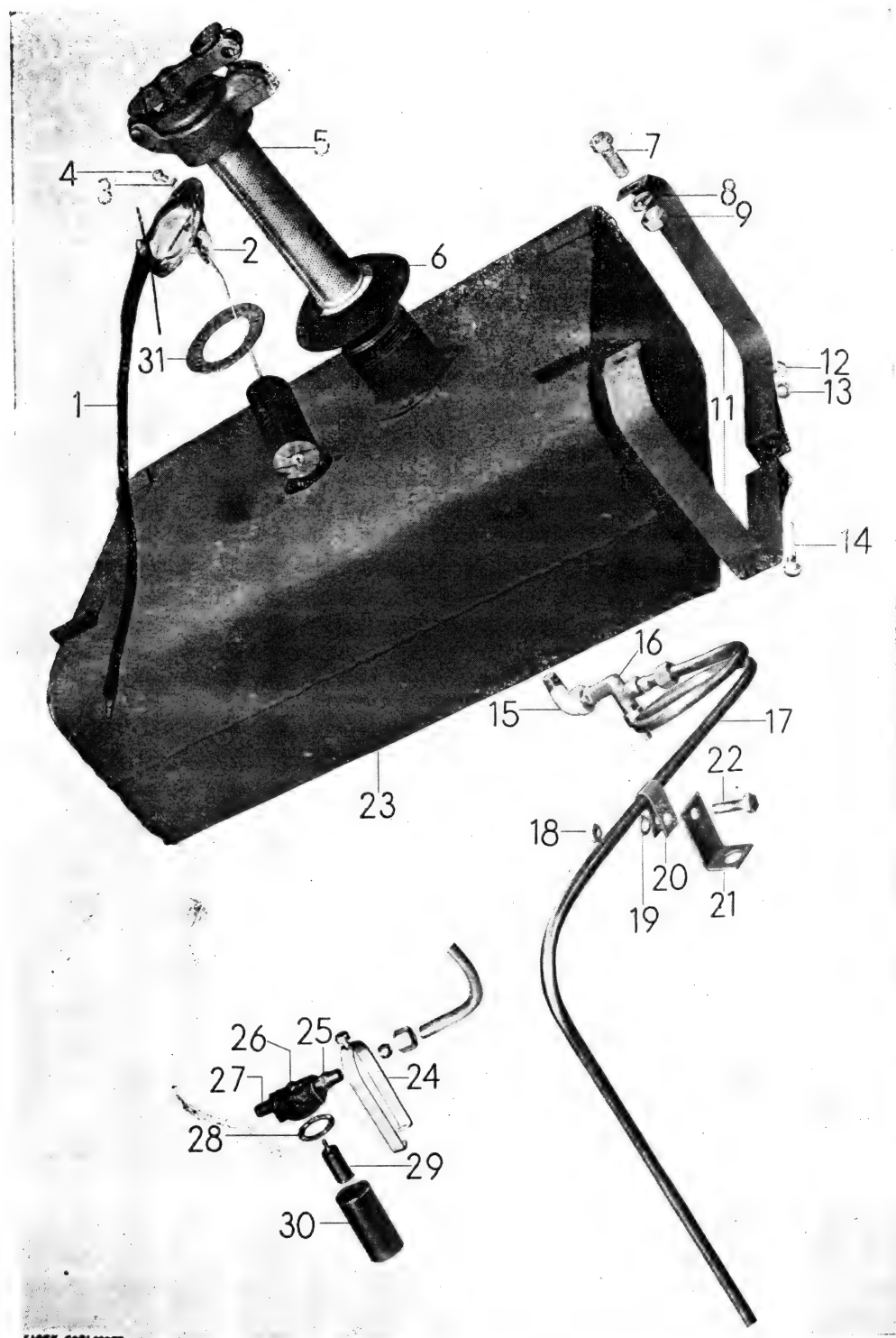


Figure 31 — Gas Tank, Gas Filter, Safety Filler Cap and Connections

## GAS TANK, GAS FILTER, SAFETY FILLER CAP AND CONNECTIONS (Fig. 31)

Item	Part No.	DESCRIPTION	No. Req'd
1	604441	Gas Gauge Wire Assembly (For Tank Unit) .....	1
2	604440	Gas Gauge — Tank Unit.....	1
3	(No longer Used)	Gas Gauge to Tank Screw Lockwasher .....	
4	2G-1006	Gas Gauge to Tank Screw .....	6
5	602345	Gas Tank Safety Filler Cap .....	1
6	604344	Gas Tank Vibration Damper.....	1
7	1C-608	Gas Tank Mounting Strap to Hood Bolt .....	4
8	6E-06	Gas Tank Mounting Strap to Hood Bolt Lockwasher.....	4
9	1D-06	Gas Tank Mounting Strap to Hood Bolt Nut .....	4
10	103293	Gas Tank Mounting Strap to Hood Bolt Plain Washer.....	4
11	602432 <del>04-26</del>	Gas Tank Mounting Strap.....	4
12	1D-04	Gas Tank Mounting Strap Clamp Bolt Nut.....	2
13	4E-04	Gas Tank Mounting Strap Clamp Bolt Lockwasher.....	2
14	4G-436	Gas Tank Mounting Strap Clamp Bolt.....	2
15	26F-1	Gas Tank Shut-off Cock St. Ell.....	1
16	14P-12	Gas Tank Shut-off Cock .....	1
17	602387	Gas Line Assembly (Tank to Filter) .....	1
18	1D-04	Gas Line Clip Bolt Nut .....	1
19	4E-04	Gas Line Clip Bolt Nut Lockwasher.....	1
20	6H-7	Gas Line Clip .....	1
21	602395	Gas Line Clip Support .....	1
22	1C-410	Gas Line Clip Bolt.....	1
23	602431	Gas Tank.....	1
24	853026	Gas Filter Bail Assembly.....	1
25	12P-1	Gas Line Connector.....	1
26	853022	Gas Filter Head.....	1
27	5K-106	Gas Filter Nipple.....	1
28	853024	Gas Filter Head Gasket .....	1
29	853023	Gas Filter Element .....	1
30	853025	Gas Filter Bowl .....	1
31	604345	Gas Filter Assembly (Includes Items 24, 26, 28 thru 30) .....	1
32	850747	Gas Gauge Gasket — Tank Unit.....	1

# NOTES

## CLARK EQUIPMENT COMPANY, INDUSTRIAL TRUCK DIVISION

## STEERING GEAR ASSEMBLY AND PARTS (Fig. 32)

Item	Part No.	DESCRIPTION	No. Req'd
	626163	Steering Gear Assembly (Complete) .....	1
	626162	Steering Gear Assembly (Complete — Less Hand Wheel, Horn Button Cap, Horn Button Spring and Pitman Arm) .....	1
1	858457	Ball Nut, Steering Shaft and Worm Assembly (Includes Items 2, 13 through 15, 22 through 24) .....	1
2	858458	Steering Shaft and Worm Assembly .....	1
3	857270	Gear Housing and Bushing Assembly (Includes Item 25) .....	1
4	851769	Pitman Shaft .....	1
5	851770	Lash Adjuster .....	1
6	851756	Housing Side Cover Gasket .....	1
7	851755	Housing Side Cover and Bushing Assembly (Includes Item 45) .....	1
8	8D-07	Lash Adjuster Nut .....	1
9	1C-612	Housing Side Cover Screw .....	3
10	4E-06	Housing Side Cover Screw Lockwasher .....	3
11	851764	Worm Thrust Bearing Cup .....	1
12	851768	Housing End Cover Gasket .....	1
13	851760	Balls .....	60
14	851758	Ball Nut .....	1
15	851759	Ball Return Guide .....	4
16	851765	Worm Thrust Bearing .....	1
17	851767	Housing End Cover .....	1
18	1C-614	Housing End Cover Bolt .....	4
19	4E-06	Housing End Cover Bolt Lockwasher .....	4
20	851763	Worm Thrust Adjuster .....	1
21	851766	Worm Thrust Adjuster Lock Nut .....	1
22	851761	Ball Return Guide Clamp .....	1
23	851762	Ball Return Guide Clamp Screw and Lockwasher Assembly .....	3
24		Refer to Item 23 .....	
25	850063	Gear Housing Bushing .....	1
26	853512	Pitman Shaft Packing .....	1
27	604284	Pitman Arm Assembly .....	1
28	4E-12	Pitman Arm Lockwasher .....	1
29	850756	Pitman Arm Nut .....	1
30	851752	Upper Bearing Assembly .....	1
31	850757	Upper Bearing Spring Seat .....	1
32	617904	Upper Bearing Spring .....	1
33	851771	Steering Hand Wheel Nut Washer .....	1
34	8D-08	Steering Hand Wheel Nut .....	1
35	13F-06	Filler Plug .....	1
36	850752	Upper Bearing and Cable Assembly (Includes Items 30, 37) .....	1
37	851753	Horn Cable .....	1
38	851860	Grommet .....	1
39	857271	Adaptor .....	1
40	850075	Pitman Shaft Packing Retainer .....	1
41	851765	Worm Thrust Bearing .....	1
42	604323	Steering Hand Wheel .....	1
43	602104	Horn Button Cap .....	1
44	602105	Horn Button Cap Spring .....	1
45	851863	Housing Side Cover Bushing .....	1
46	853187	Lash Adjuster Shim Package .....	1



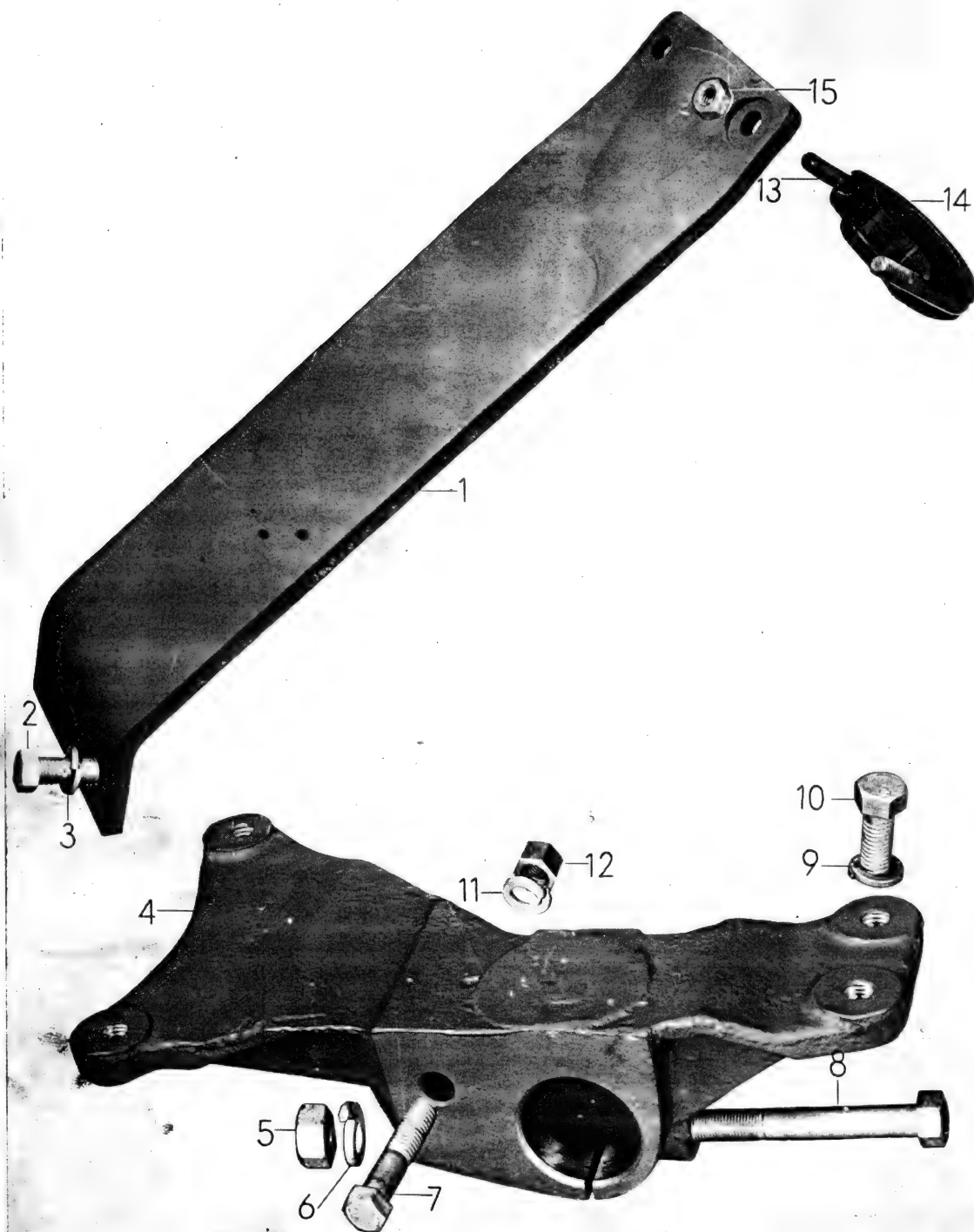


Figure 33 — Steering Gear Support Brackets

**STEERING GEAR SUPPORT BRACKETS (Fig. 33)**

Item	Part No.	DESCRIPTION	No. Req'd
1	625554	Steering Gear Brace .....	1
2	1C-616	Steering Gear Brace to Support Screw .....	2
3	4E-06	Steering Gear Brace to Support Screw Lockwasher .....	2
4	621914	Steering Gear Support Bracket .....	1
5	10D08	Steering Gear Support Bracket Clamp Screw Nut .....	1
6	4E-08	Steering Gear Support Bracket Clamp Screw Nut Lockwasher .....	1
7	2C-822	Steering Gear Support Bracket Screw .....	1
8	2C-852	Steering Gear Support Bracket Clamp Screw .....	1
9	4E-08	Steering Gear Support Bracket Screw Lockwasher .....	4
10	1C-820	Steering Gear Support Bracket Screw .....	4
11	4E-08	Steering Gear Support Bracket Screw Lockwasher .....	1
12	1D-08	Steering Gear Support Bracket Screw Nut .....	1
13	611277	Steering Column "U" Bolt .....	1
14	617961	Steering Column Cushion .....	1
15	1D-05	Steering Column "U" Bolt Nut .....	1
16	854010	Steering Gear Support Bracket Bushing .....	1

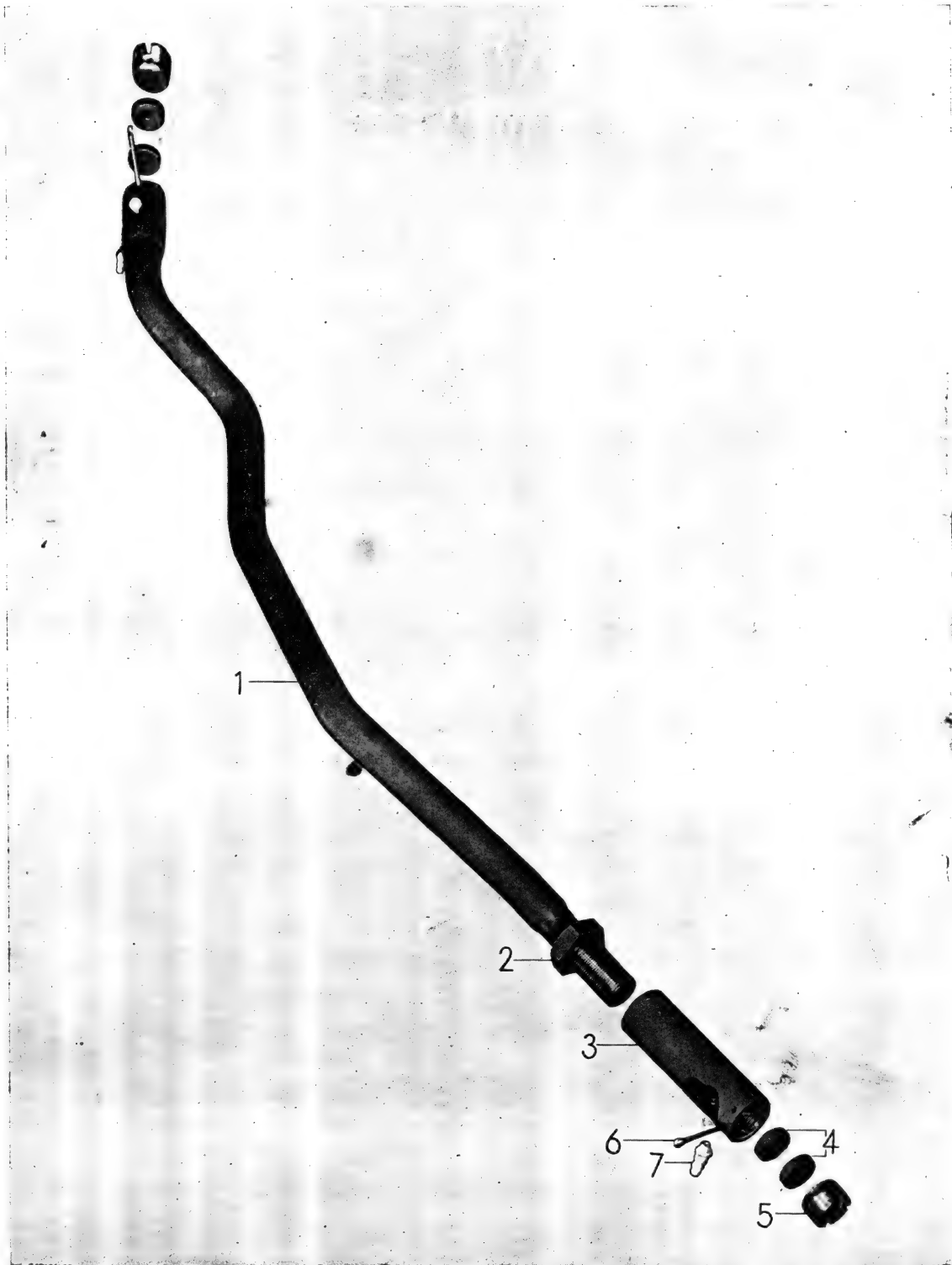


Figure 34 — Drag Link Assembly and Parts

**DRAG LINK ASSEMBLY AND PARTS (Fig. 34)**  
**(For 40" Wheel Base Machines)**

Item	Part No.	DESCRIPTION	No. Req'd
	604313	Drag Link Assembly (Includes Items 1 through 5) .....	1
1	853003	Drag Link Welded Assembly .....	1
2	604407	Adjustable Ball Socket Jam Nut .....	1
3	604404	Adjustable Ball Socket .....	1
4	604405	Ball Socket Seat .....	4
5	604406	Ball Socket Adjusting Plug .....	2
6	1F-428	Ball Socket Adjusting Plug Cotter Pin .....	2
7	11H-2	Lubrication Fitting .....	2
8	859484	Ball Socket Shield Kit.....	1

**DRAG LINK ASSEMBLY AND PARTS (Fig. 34)**  
**(For 46" Wheel Base Machines)**

	604314	Drag Link Assembly (Includes Items 1 through 5) .....	1
1	853004	Drag Link Welded Assembly .....	1
2	604407	Adjustable Ball Socket Jam Nut .....	1
3	604404	Adjustable Ball Socket .....	1
4	604405	Ball Socket Seat .....	4
5	604406	Ball Socket Adjusting Plug .....	2
6	1F-428	Ball Socket Adjusting Plug Cotter Pin .....	2
7	11H-2	Lubrication Fitting .....	2
8	859484	Ball Socket Shield Kit.....	1

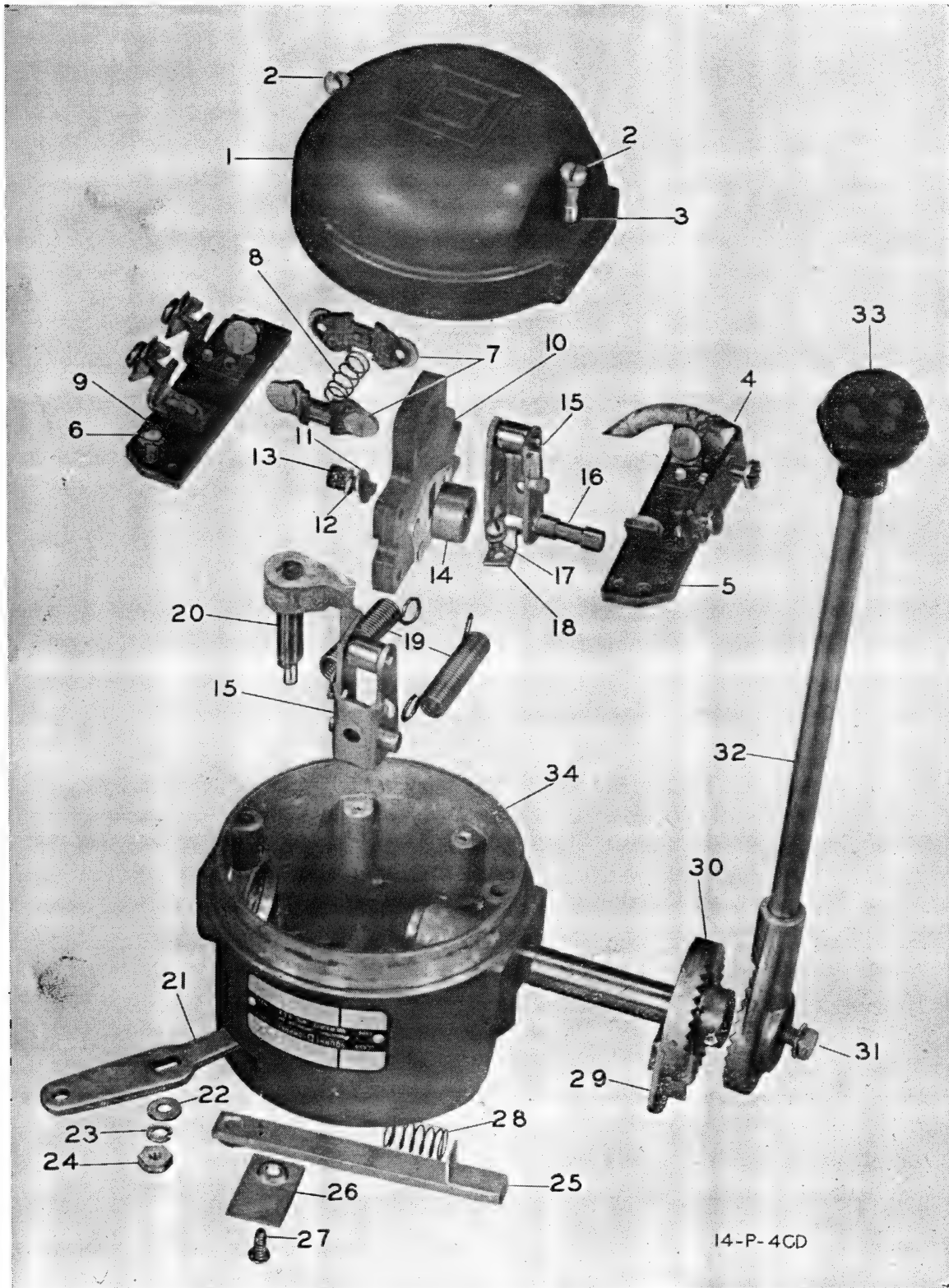


Figure 35 — Forward and Reverse Switch Assembly

# FORWARD AND REVERSE SWITCH ASSEMBLY AND PARTS AND OPERATING PARTS (Fig. 35)

Item	Part No.	Location	DESCRIPTION	No. Req'd
	625556		Forward and Reverse Switch Assembly (Includes Items 1 thru 39)....	1
	624436		Forward and Reverse Switch Assembly (Includes Items 1 thru 34)....	1
1	857352		Cover .....	1
2	857354		Cover Screw .....	2
3	857353		Cover Screw Washer .....	2
4	858512	E2-63	Terminal .....	1
5	857351	E2-63	Terminal Board Assembly .....	1
6	857350	E2-63	Terminal Board Assembly .....	1
7	857348	E2-63	Contact Finger Assembly .....	2
8	857349	E2-63	Contact Spring .....	1
9	857356		Terminal Board Screw and Lockwasher .....	4
10	857342		Contact Carrier Assembly .....	1
11	858484		Operating Shaft Lock Screw Plain Washer .....	1
12	858485		Operating Shaft Lock Screw Lockwasher .....	1
13	857357		Contact Carrier Screw .....	1
14	857341		Spacer .....	1
15	857335	E2-63	Roller Arm Assembly .....	2
16	857336	E2-63	Hinge Pin .....	2
17	857338		Hinge Pin Clip Screw and Lockwasher .....	2
18	857337		Hinge Pin Clip .....	2
19	857339	E2-63	Roller Arm Positioning Spring .....	2
20	857343	E2-63	Trip Shaft Assembly .....	1
21	857344		Trip Lever .....	1
22	858484		Trip Lever to Shaft Plain Washer .....	1
23	858485		Trip Lever to Shaft Lockwasher .....	1
24	858508		Trip Lever to Shaft Nut .....	1
25	857345		Latch Bar Assembly .....	1
26	857347		Retaining Plate .....	1
27	858509		Latch Bar Retaining Plate Screw .....	1
28	857346		Spring .....	1
29	857360		Lockout Catch .....	1
30	858510	E2-72	Operating Shaft Assembly .....	1
31	857355		Operating Lever Screw .....	1
32	857358	D4-16	Operating Lever Assembly (Includes Item 33) .....	1
33	857359		Operating Lever Knob .....	1
34	857334		Housing and Bearing Assembly .....	1
35	614146		Terminal Sleeve .....	3
36	614148		Terminal .....	1
37	614147		Terminal .....	2
38	624425		Terminal Cover .....	2
39	610817		Terminal Cover .....	1
40	624342		Switch to Column Bracket .....	1
41	624442		Forward and Reverse Indicator .....	1
42	625557		Conduit .....	1
43	624350		Conduit End .....	1
44	624353		Conduit Insulated Bushing .....	1
45	624651		Conduit to Brace Clamp .....	1
46	1D-05		Nuts .....	2
47	6H-18		Cable Clip .....	1
48	625555		Forward and Reverse Switch Cable Assembly .....	1
49	624365		Cable Connector .....	1
50	624432		Safety Cable Spring Cap Assembly .....	1
51	602040		Safety Cable Spring .....	1
52	14D-10		Nut .....	1
53	624894		Cable Clamp Bracket — Upper .....	1
54	624895		Cable Clamp — Upper .....	1
55	1C-424		Cable Clamp Bracket Bolt .....	2
56	1C-416		Cable Clamp Bracket Bolt .....	2
57	4E-04		Cable Clamp Bracket Bolt Lockwasher .....	4

# NOTES

## ELECTRICAL EQUIPMENT AND DASH PARTS

Item	Part No.	DESCRIPTION	No. Req'd
1	8889	Ignition Switch and Key (Includes Item 2) .....	1
2	857618	Ignition Switch Key .....	1
3	600259	Starter Push Button Switch (Includes Item 4) .....	1
4	857420	Starter Push Button Switch Boot .....	1
5	617411	Ammeter .....	1
6	602347	Ammeter Clamp .....	1
7	14D-10	Ammeter Nut .....	4
8	6E-5	Ammeter Nut Lockwasher .....	2
9	620972	Gas Gauge — Dash Unit .....	1
10	14D-10	Gas Gauge Terminal Nut .....	2
11	15E-10	Gas Gauge Terminal Nut Lockwasher .....	2
12	620971	Oil Gauge Assembly .....	1
13	10D-06	Oil Gauge Nut .....	2
14	4E-06	Oil Gauge Nut Lockwasher .....	2
15	602439	Ignition Coil .....	1
16	1C-410	Ignition Coil Bolt .....	2
17	4E-04	Ignition Coil Bolt Lockwasher .....	2
18	619018	Ignition Coil Bolt Washer .....	2
19	621278	Horn .....	1
20	621279 <del>E2-57</del>	Horn Mounting Bracket Assembly .....	1
21	10D-04	Horn to Mounting Bracket Nut .....	2
22	4E-04	Horn to Mounting Bracket Nut Lockwasher .....	2
23	1C-616	Horn Mounting Bracket Bolt .....	1
24	4E-06	Horn Mounting Bracket Bolt Lockwasher .....	1
25	1D-06	Horn Mounting Bracket Bolt Nut .....	1
26	621280	Horn Relay .....	1
27	626912	Voltage Regulator .....	1
28	7G-420	Voltage Regulator to Bracket Bolt .....	3
29	3E-04	Voltage Regulator to Bracket Bolt Lockwasher .....	3
30	1D-04	Voltage Regulator to Bracket Bolt Nut .....	3
31	625194	Voltage Regulator Bracket .....	1
32	7G-412	Voltage Regulator Bracket Bolt .....	2
33	4E-04	Voltage Regulator Bracket Bolt Lockwasher .....	2
34	620024	Circuit Breaker .....	1
35	3G-620	Circuit Breaker to Bracket Bolt .....	2
36	13E-6	Circuit Breaker to Bracket Bolt Lockwasher .....	2
37	12D-6	Circuit Breaker to Bracket Bolt Nut .....	2
38	625564	Circuit Breaker Mounting Bracket .....	1
39	7G-412	Circuit Breaker Mounting Bracket Bolt .....	2
40	4E-04	Circuit Breaker Mounting Bracket Bolt Lockwasher .....	2
41	1D-04	Circuit Breaker Mounting Bracket Bolt Nut .....	2
42	601694	Fuse Block .....	1
43	3G-606	Fuse Block Bolt .....	2
44	608869	Fuse 30 Amp .....	1
45	617892	Spark Plug .....	4
46	852050	Spark Plug Gasket .....	4
47	611756	Spark Plug Cover .....	4
48	7H-6	Choke Control .....	1
49	10D-06	Choke Control Nut .....	1
50	4E-06	Choke Control Nut Lockwasher .....	1
51	617390	High Tension Wire Assembly .....	2
52	617379	High Tension Wire Assembly .....	2
53	617391	High Tension Wire Assembly .....	2

SEE SUPPLEMENT IN BACK OF BOOK



# NOTES

## ELECTRICAL WIRING, BATTERY CABLES

Item	Part No.	DESCRIPTION	No. Req'd
1	625561	Wiring Harness — (Dash to Electrical Parts).....	1
2	625562	Wiring Harness — (Generator to Voltage Regulator).....	1
3	625563	Wiring Harness (Resistor to Forward and Reverse Brush).....	1
4	626052	Wiring Diagram .....	1
5	618843	Battery to Ground Brush Cable.....	1
6	618842	Starter Solenoid to Battery Cable.....	1
7	621679	Fuse Block to Horn Relay Wire Assembly.....	1
8	621673	Horn to Relay Jumper Wire.....	1
9	624258	Circuit Breaker to Starter Wire.....	1
10	618983	Ignition Switch to Starter Button Wire .....	1
11	624236	Resistor Ground Cable.....	1
12	622194	Forward and Reverse Brush to Brush Cable .....	2
13	1C-512	Brush Holder Terminal Bolt .....	6
14	4E-05	Brush Holder Terminal Bolt Lockwasher .....	6
15	619019	Brush Holder Terminal Bolt Washer .....	6
16	1D-05	Brush Holder Terminal Bolt Nut .....	6
17	625559	Caterpillar Resistor to Breaker Switch Cable.....	1
18	610817	Terminal Boot (Caterpillar End).....	1
19	625558	Mico Brake Lock to Switch Wire .....	1
20	625560	Mico Brake Lock Switch to Ignition Switch Wire.....	1
21	604441	Gas Tank Unit Wire Assembly.....	1

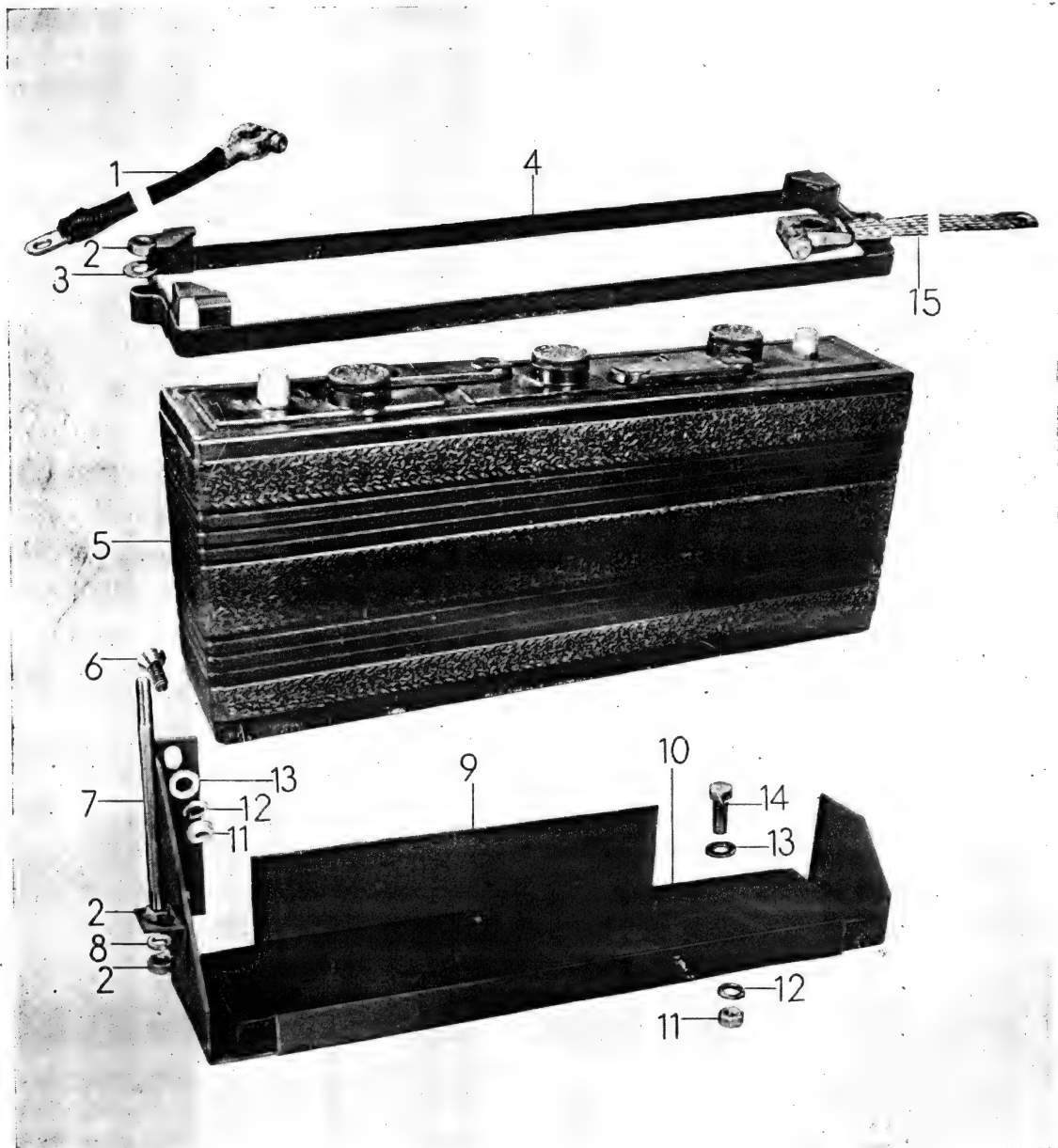


Figure 36 — Battery, Battery Supports and Parts



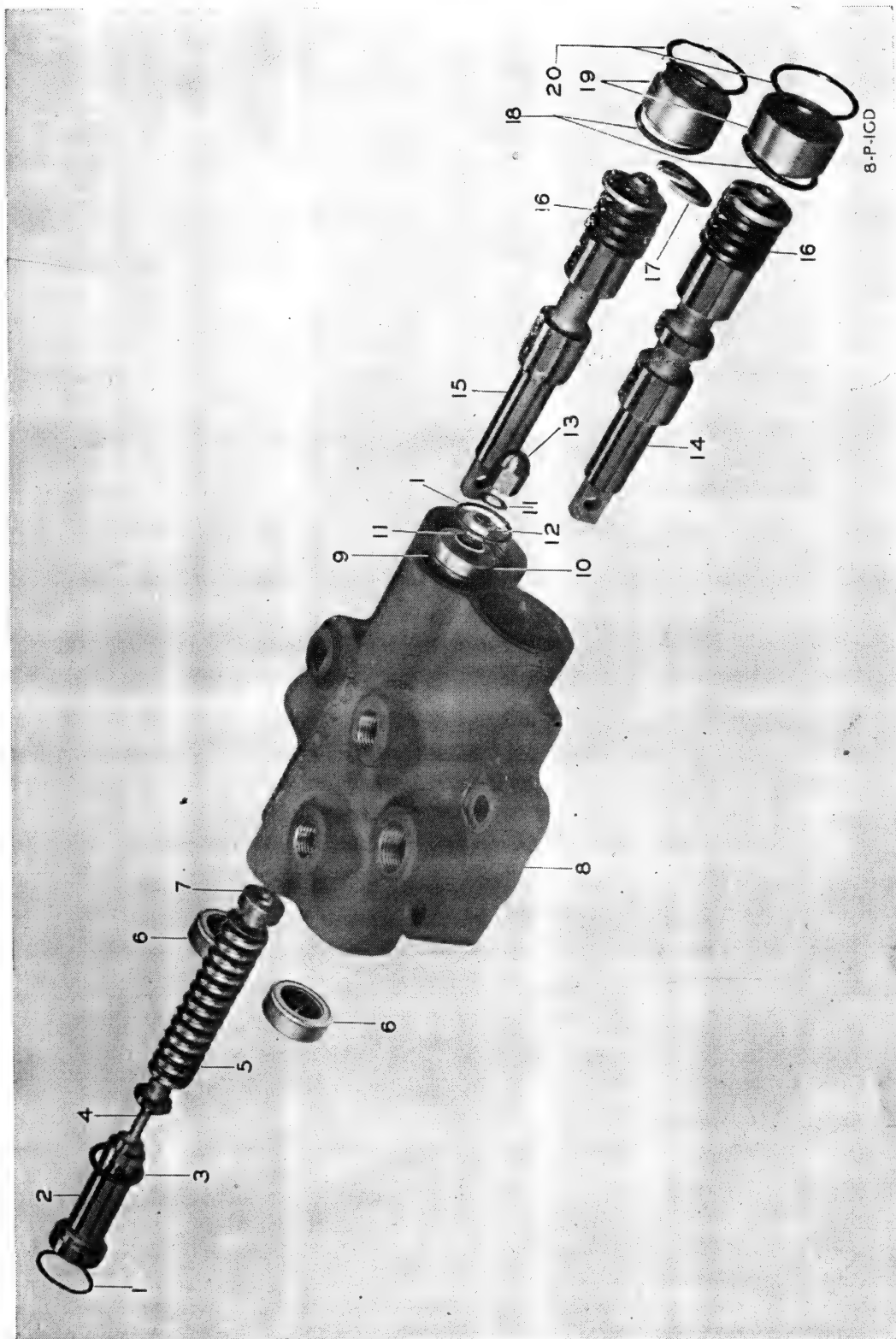


Figure 37—Hydraulic Valve Assembly and Parts

## HYDRAULIC VALVE ASSEMBLY AND PARTS (Fig. 37)

Item	Part No.	DESCRIPTION	No. Req'd
	623844	Hydraulic Valve Assembly.....	1
1	623852	Retaining Ring .....	2
2	623853	Relief Valve Seat .....	1
3	617339	Relief Valve Seat "O" Ring .....	1
4	623854	Relief Valve .....	1
5	623855	Relief Valve Spring .....	1
6	616897	Valve Plunger Oil Seal .....	2
7	623856	Relief Valve Spring Retainer.....	1
8	623845	Valve Body .....	1
9	617339	Relief Valve Plug "O" Ring .....	1
10	623857	Relief Valve Plug .....	1
11	100276	Relief Valve Adjusting Screw Nut Copper Washer .....	2
12	11D-06	Relief Valve Adjusting Screw Lock Nut .....	1
13	600935	Acorn Nut .....	1
14	623846	Tilt Valve Plunger .....	1
15	623847	Lift Valve Plunger .....	1
16	623848	Valve Plunger Spring .....	2
17	623849	Valve Plunger Spring Retainer .....	2
18	619010	Valve Plunger Plug "O" Ring.....	2
19	623850	Valve Plunger Plug .....	2
20	623851	Valve Plunger Plug Retaining Ring .....	2
21	620296	Relief Valve Adjusting Screw.....	1
22	16F-12	Pipe Plug .....	1
23	604638	Valve to Sump Tank Stud .....	3
24	17D-5	Valve to Sump Tank Stud Nut .....	3
25	617358	Valve to Sump Tank Stud Packing .....	3
26	617362	Valve to Sump Tank Packing .....	2

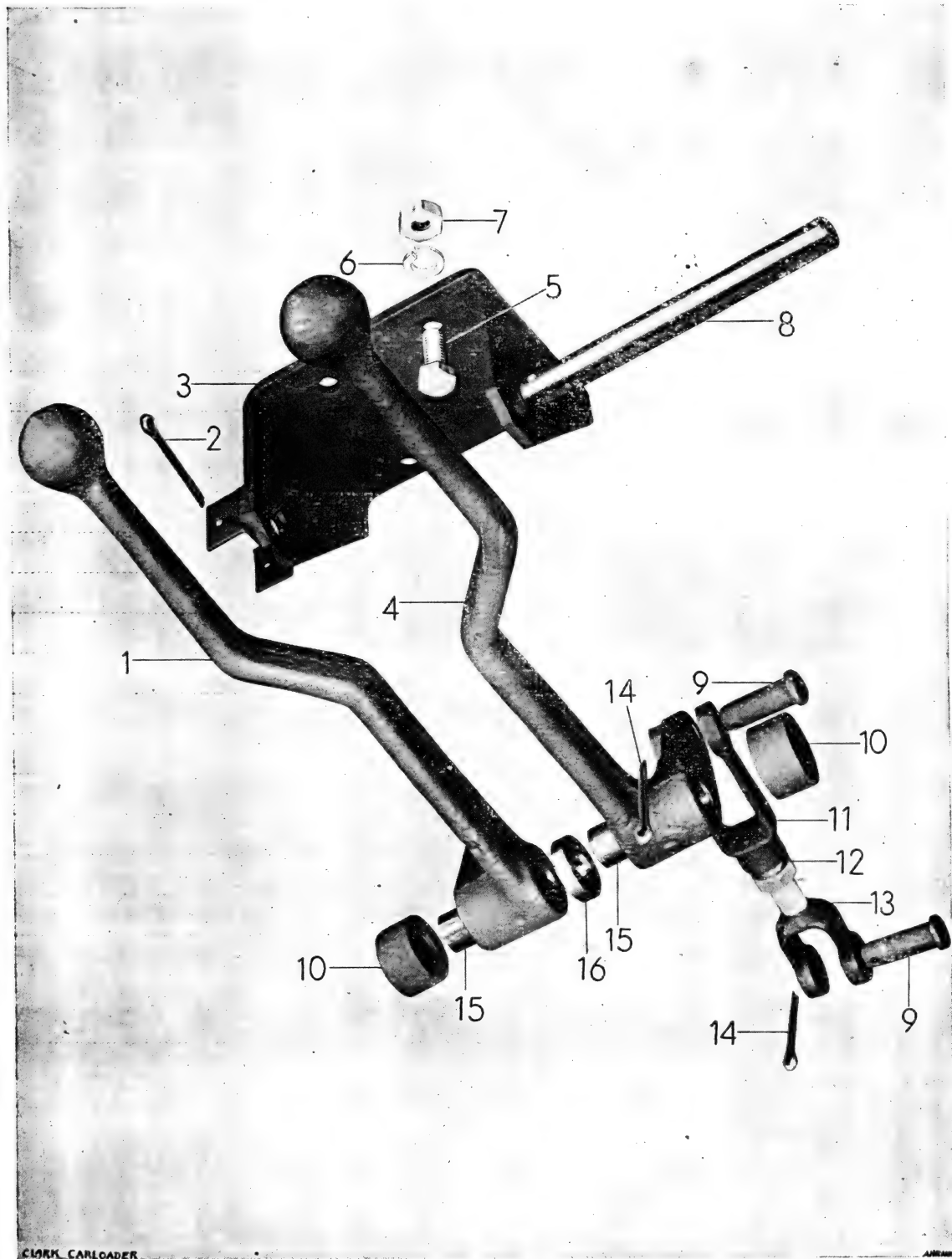


Figure 38 — Valve Control Levers and Operating Parts

## VALVE CONTROL LEVERS AND OPERATING PARTS (Fig. 38)

Item	Part No.	DESCRIPTION	No. Req'd
1	602269	Valve Control Lever Assembly, R.H. (Includes Item 15) .....	1
2	1F-428	Valve Control Lever Shaft Cotter Pin .....	1
3	604118	Valve Control Lever Shaft Bracket .....	1
4	624075	Valve Control Lever Assembly, L.H. (Includes Item 15) (Not as Shown) .....	1
5	1C-512	Valve Control Lever Shaft Bracket Screw .....	4
6	4E-05	Valve Control Lever Shaft Bracket Screw Lockwasher .....	4
7	1D-05	Valve Control Lever Shaft Bracket Screw Nut .....	4
8	602416	Valve Control Lever Shaft .....	1
9	4F-06106	Valve Lever Yoke End Pin.....	4
10	602417	Valve Control Lever Spacer .....	2
11	613474	Valve Lever Yoke End .....	2
12	8D-06	Valve Lever Rod End Nut.....	2
13	613475	Valve Lever Rod End .....	2
14	1F-310	Valve Lever Yoke End and Rod End Pin Cotter Pin.....	4
15	618360	Valve Control Lever Bushing .....	1
16	616790	Valve Control Lever Spacer .....	1
17	613473	Valve Control Lever Yoke and Rod End Assembly (Includes Items 11 thru 13) .....	2



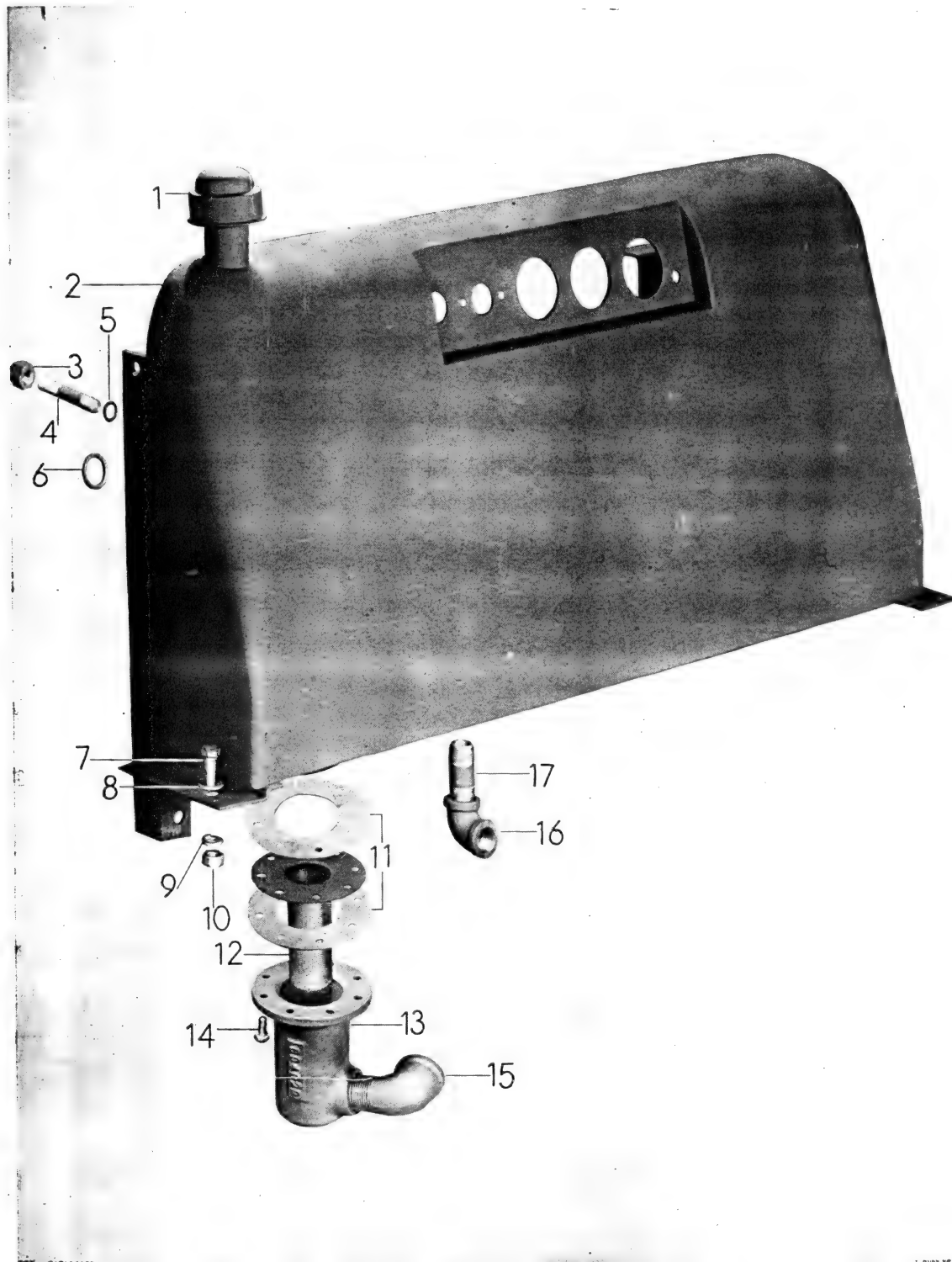


Figure 39 — Oil Sump Tank, Tank Cap, Dash and Parts

## OIL SUMP TANK, TANK CAP, DASH AND PARTS (Fig. 39)

Item	Part No. LOCATION	DESCRIPTION	No. Req'd
1	604319 <del>04-12</del>	Oil Sump Tank Cap.....	1
2	625549	Oil Sump Tank and Dash (Not as Shown).....	1
3	17D-5	Valve to Oil Sump Tank Stud Nut .....	3
4	604638	Valve to Sump Tank Stud .....	3
5	617358	Valve Stud Packing "O" Ring.....	3
6	617362	Valve Packing "O" Ring.....	2
7	1C-620	Oil Sump Tank to Side Frame Bolt .....	6
8	103293	Oil Sump Tank to Side Frame Bolt Plain Washer .....	6
9	4E-06	Oil Sump Tank to Side Frame Bolt Lockwasher .....	6
10	1D-06	Oil Sump Tank to Side Frame Bolt Nut .....	6
11	604328	Oil Sump Tank Well to Tank Gasket.....	2
12	604327	Oil Sump Tank Well Screen .....	1
13	604329	Oil Sump Tank Well .....	1
14	1C-412	Oil Sump Tank Well to Tank Bolt.....	8
15	26F-6	Oil Sump Tank to Pump St. Ell.....	1
16	29F-3	Lift Cylinder to Sump Tank Return Line St. Ell.....	1
17		Not Used on this Model Machine	
18	13F-02	Oil Sump Tank Oil Level Pipe Plug — (Not Shown).....	1
19	621333	Instrument Panel — (Not Shown)....	1
20	14G-1006	Instrument Panel Mounting Bolt .....	5
21	15E-10	Instrument Panel Mounting Bolt Lockwasher .....	5

# NOTES

**COUNTERWEIGHTS AND PARTS (3015 Machines)**

Item	Part No.	DESCRIPTION	No. Req'd
1	602423	Counterweight — Rear .....	1
2	604413	Counterweight Bolt — Top .....	2
3	604415	Counterweight Bolt — Bottom .....	2
4	619028	Counterweight Bolt Washer .....	4
5	4E-16	Counterweight Bolt Lockwasher .....	4
6	10D-16	Counterweight Bolt Nut .....	4

**COUNTERWEIGHTS AND PARTS (4015 Machines)**

1	602424	Counterweight — Rear .....	1
2	604417	Counterweight Bolt .....	4
3	619028	Counterweight Bolt Washer .....	4
4	4E-16	Counterweight Bolt Lockwasher .....	4
5	10D-16	Counterweight Bolt Nut .....	4

**COUNTERWEIGHTS AND PARTS (4024 and 5016 Machines)**

1	608787	Counterweight — Rear .....	1
2	604417	Counterweight Bolt .....	4
3	619028	Counterweight Bolt Washer .....	4
4	4E-16	Counterweight Bolt Lockwasher .....	4
5	10D-16	Counterweight Bolt Nut .....	4
6	602404	Counterweight (Under Hood) .....	2
7	621697	Counterweight Bolt .....	4
8	619027	Counterweight Bolt Washer .....	4
9	4E-08	Counterweight Bolt Lockwasher .....	4
10	1D-08	Counterweight Bolt Nut .....	4

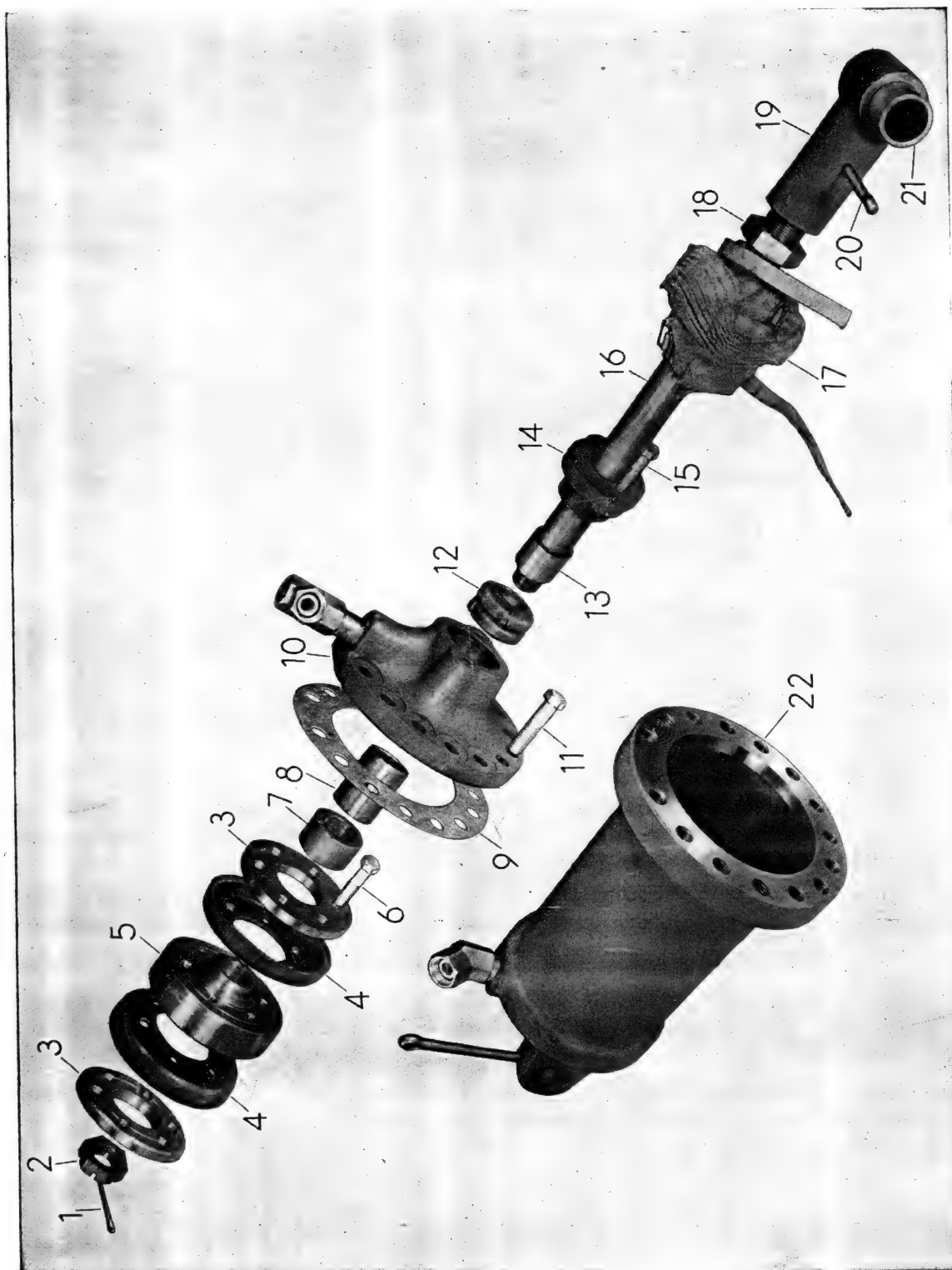


Figure 40 — Tilt Cylinder Assembly and Parts

## TILT CYLINDER ASSEMBLY AND PARTS (Fig. 40)

Item	Part No.	Location	DESCRIPTION	No. Req'd
	613329		Tilt Cylinder Assembly 3° Forward (Includes Items 1 thru 23).....	2
	613330		Tilt Cylinder Assembly 3° Forward (Includes Items 1 thru 23, 29, 30) .....	2
1	1F-428		Clamp Nut Cotter Pin.....	1
2	100575		Clamp Nut .....	1
3	604369		Piston Cup Clamp Plate.....	2
4	604370	D4-10	Piston Cup .....	2
5	604368		Piston .....	1
6	3C-616		Piston Cup Clamp Plate Screw.....	12
7	604437		Spacer (3° Forward Tilt).....	1
8	854007		Gland Bushing .....	1
9	604366		Gland to Cylinder Gasket.....	1
10	613130		Gland Assembly (Includes Item 8).....	1
11	1C-822		Gland to Cylinder Screw .....	15
12	613135	D4-10	Piston Rod Packing.....	1
13	854023	E 2-64	Gland End Bushing .....	1
14	613128		Gland End Assembly (Includes Item 13).....	1
15	1C-624		Gland End to Gland Screw.....	2
16	604372		Piston Rod .....	1
17	621036	D4-3	Boot .....	1
18	8D-20		Piston Rod End Nut .....	1
19	611148		Piston Rod End Assembly (Includes Item 21).....	1
20	1F-840		Piston Rod End Cotter Pin .....	1
21	854007		Piston Rod End Bushing .....	1
22	608627		Tilt Cylinder Welded Assembly.....	1
23	201553-11		Piston Cup Clamp Plate Screw Lockwire.....	1
24	604438		Spacer (5° Forward Tilt).....	1
25	15G-808		Tilt Cylinder Flange Screw .....	2
26	604376		Tilt Cylinder Pivot Pin .....	4
27	1F-848		Tilt Cylinder Pivot Pin Cotter Pin .....	4
28	10H-2		Tilt Cylinder Pivot Pin Lubrication Fitting .....	4
29	621277		Boot Plate .....	1
30	4H-30		Boot Clamp .....	2

# NOTES

### OIL LINES AND PARTS PUMP TO VALVE H.P.

Item	Part No. <i>LOCATION</i>	DESCRIPTION	No. Req'd
1	604606 <i>E2-61</i>	Adapter Union 90° .....	1
2	601232 <i>D4-1</i>	Pump to Valve Oil Line .....	1

### SUMP TANK TO PUMP L.P.

3	33F-6 <i>E2-66</i>	Adaptor Union 45° .....	1
4	613317 <i>D4-1</i>	Sump Tank to Pump Oil Line .....	1
5	26F-6	St. Ell 1" .....	1

### VALVE TO TILT CYLINDER — Rear

6	604606 <i>E2-61</i>	Adaptor Union 90° .....	1
7	604615 <i>D4-2</i>	Valve to Tilt Cylinder Oil Line — Rear .....	1
8	18F-4	Tee .....	1
9	5K-412	Nipple .....	1
10	604616 <i>D4-3</i>	Tilt Cylinder to Tilt Cylinder Oil Line — Rear .....	1

### VALVE TO TILT CYLINDER — Front

11	5K-418	Nipple .....	1
12	32F-4	Adaptor Union 90° .....	1
13	604617	Valve to Tilt Cylinder Oil Line — Front .....	1
14	33F-4	Adapter Union .....	3
15	5K-409	Close Nipple .....	1
16	28F-3	Tee .....	1
17	29F-3	St. Ell .....	1
18	604617 <i>D4-3</i>	Tilt Cylinder to Tilt Cylinder Oil Line — Front .....	1

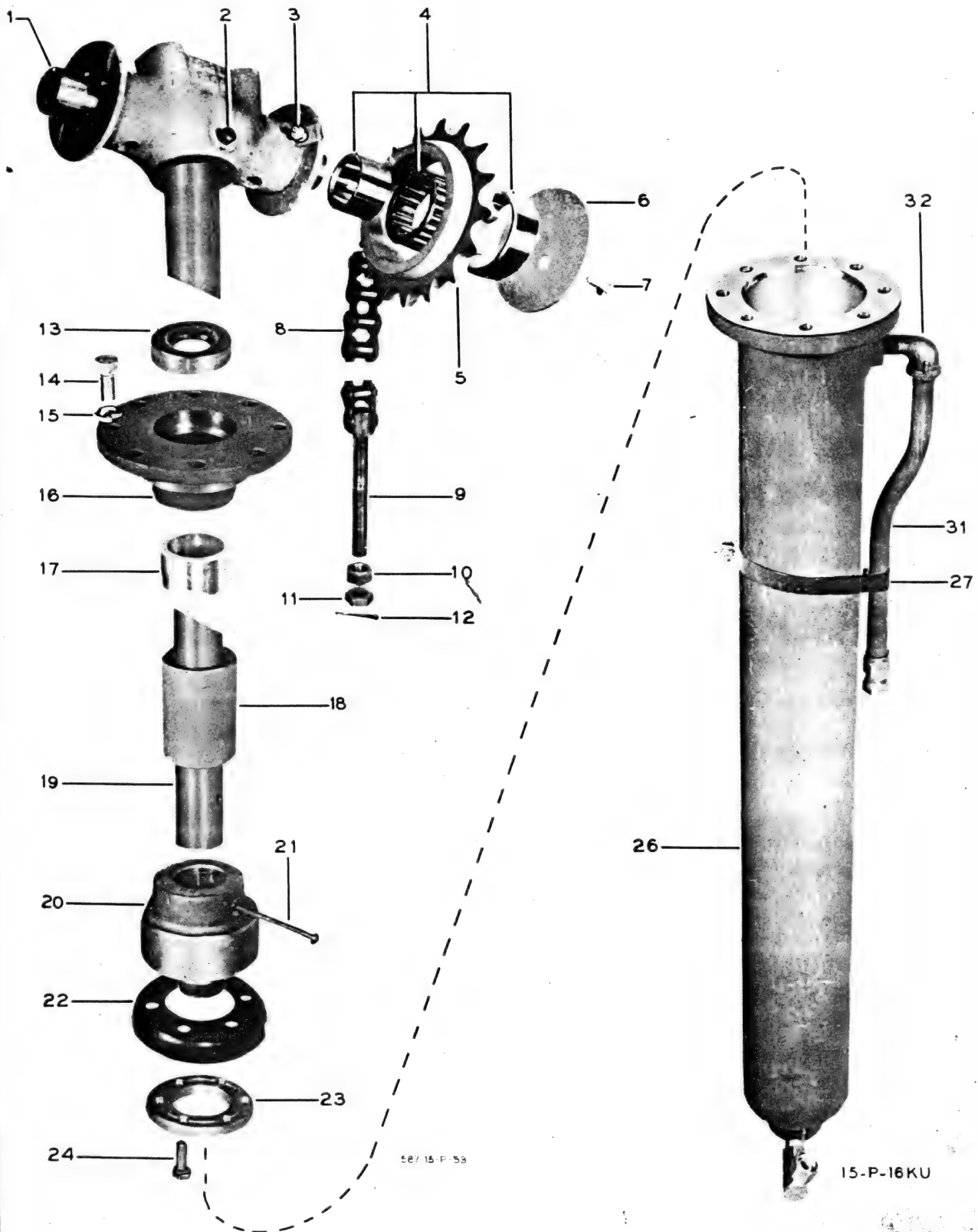
### VALVE TO LIFT CYLINDER H.P.

19	604606 <i>E2-61</i>	Adaptor Union 90° .....	1
20	604618	Valve to Lift Cylinder Oil Line .....	1
21	32F-4	Adaptor Union 90° .....	1
22	5K-414	Nipple .....	1

### Lift Cylinder to Sump Tank — Return Line

23	26F-4	St. Ell .....	1
24	604586 <i>D4-2</i>	Return Line .....	1
25	29F-3	Return Line Elbow .....	1
26	604675	Return Line Clamp Bracket .....	1
27	604674	Return Line Clamp .....	1
28	1C-420	Return Line Clamp Bolt .....	1
29	4E-04	Return Line Clamp Bolt Lockwasher .....	1
30	1D-04	Return Line Clamp Bolt Nut .....	1





LIFT CYLINDER

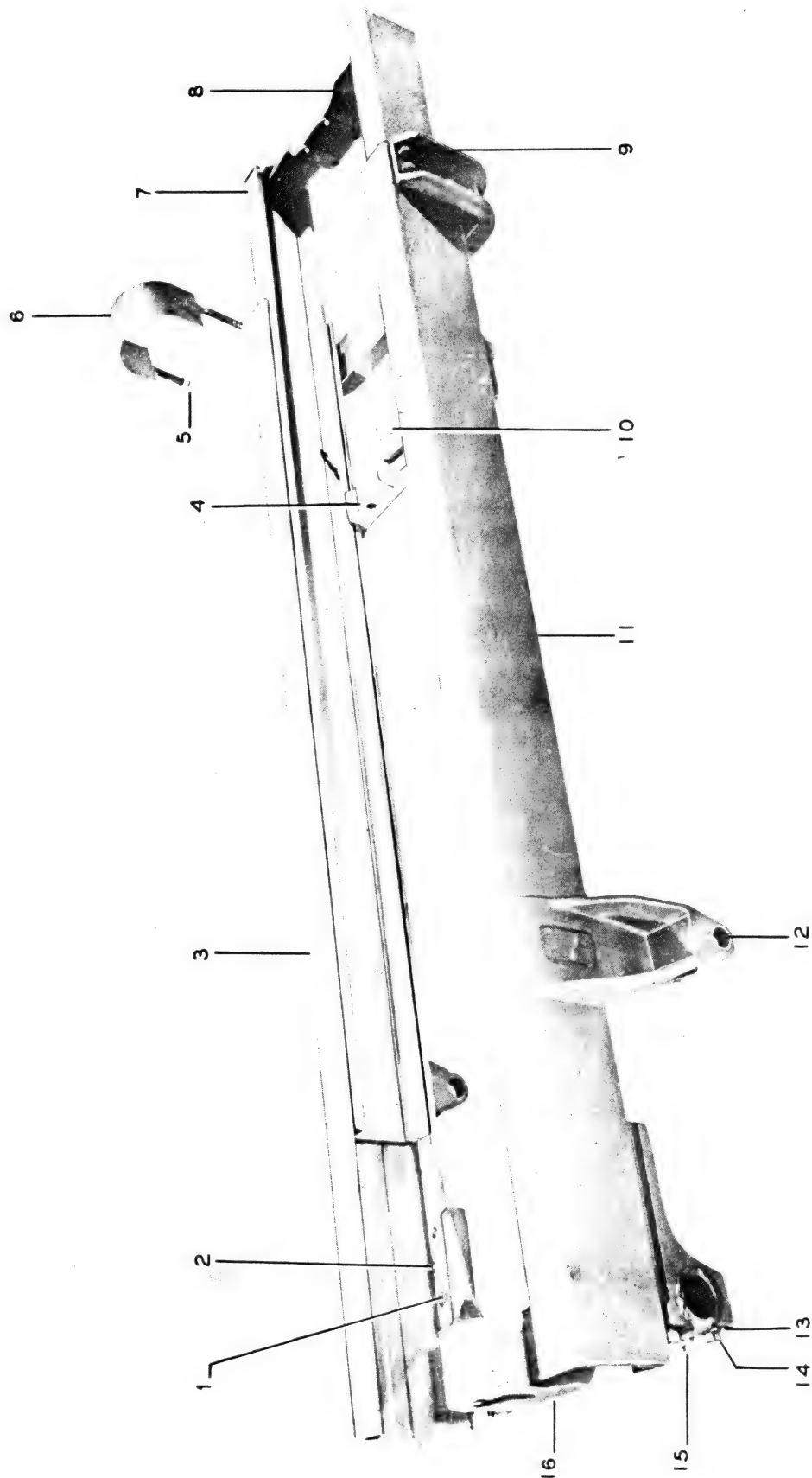
## CLARK EQUIPMENT COMPANY, SERVICE DIVISION

## UPRIGHT &amp; LIFT CYLINDER, LIFT BRACKET ASSEMBLY

Item	Part No.	Description	Req'd
		<i>use same parts as carloaders</i>	
		<i>Don't use this page for parts</i>	
	*	Upright, Lift Cylinder & Lift Bracket Assembly	1
	*	Lift Cylinder Assembly (Consists of Items 13 thru 26)	1
1	601759	Piston Head	1
2	15G-808	Piston Head Locking Set Screw	1
3	10H-2	Piston Head Grease Fitting	2
4	601761	Sprocket Bearing	2
5	601760	Sprocket	2
6	601762	Sprocket Retaining Washer	2
7	7G-512	Sprocket Retaining Screw	4
8	603497	Lift Chain (Pitches Long)	1
9	601720	Chain Anchor Pin	2
10	850987	Chain Anchor Pin Nut E-253	2
11	8D-10	Chain Anchor Pin Jam Nut	2
12	1F-420	Chain Anchor Pin Cotter	2
13	621993	Piston Rod Oil Seal	1
14	1C-820	Cylinder Cap Bolt	2
15	4E-08	Cylinder Cap Lockwasher	1
16	611389	Cylinder Cap (Includes Item 17)	1
17	854014	Cylinder Cap Bushing	1
18	602530	Lift Cylinder Spacer	1
19	*	Piston Rod	1
20	634026	Piston	1
21	1H-456	Piston to Rod Rivet	1
22	601770	Piston Leather	1
23	601756	Clamp Plate	1
24	1712-M	Clamp Plate Bolt	6
25	616659	Rivet Type Connecting Link	AR
26	*	Cylinder Welded Assembly	1
27	601764	Vent Pipe Strap	1
28	3G-416	Vent Strap Bolt	1
29	1D-04	Vent Strap Nut	1
30	4E-04	Vent strap Lockwasher	1
31	*	Vent Pipe	1
32	260-4	Vent Pipe Elbow	1
33	616659	Connecting Link	4
34	1F-310	Connecting Link Cotter	8
		* See Variable Parts Chart (606576) 60" thru 180"	



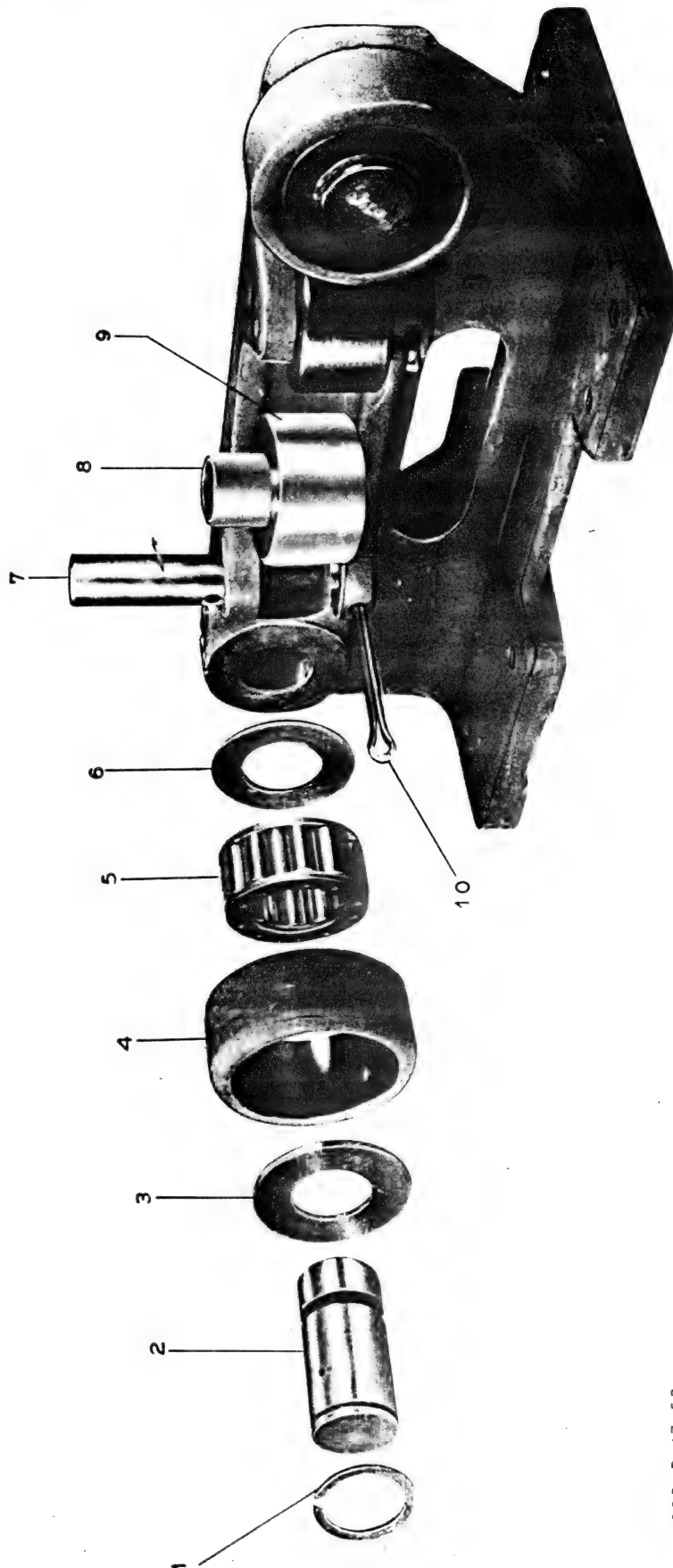
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UPRIGHT ASSEMBLY

## CLARK EQUIPMENT COMPANY, SERVICE DIVISION

UPRIGHT & CYLINDER SUPPORT			
Item	Part No.	Description	Req'd
1	9G-1024	Support to Upright Cap Screw	4
2	2C-1024	Support to Upright Cap Screw	6
3	*	Upright Assembly R.H. (Welded)	1
4	635433	Chain Anchor Bar	1
5	10D-07	Jam Nut	4
6	601713	Clamp Strap Assembly (Includes Item 5)	1
7	*	Innerslide Assembly	2
8	603038	Piston Head Guide	1
9	619995	Tie Bar	1
10	601716	Lift Cylinder Spacer Pad	1
11	*	Upright Assembly L.H. (Welded)	1
12	619047	Tilt Cylinder Bracket	2
13	4E-10	Cylinder Support Lockwasher	4
14	1C-1036	Cylinder Support Bolt	4
15	12H-1	Cylinder Support Grease Fitting	2
16	601709	Cylinder Support	1
17	630515	Cylinder Support Cap	2
18	4E-10	Support to Upright Lockwasher	6
19	9G-824	Upright Tie Bar Cap Screw	8
20	1D-08	Upright Tie Bar Nut	8
21	4E-08	Upright Tie Bar Lockwasher	8
22	9G-828	Chain Anchor Bar Capscrew	4
23	1D-08	Chain Anchor Bar Nut	4
24	4E-08	Chain Anchor Bar Lockwasher	4
25	1C-820	Piston Head Guide to Innerslide Screw	4
26	1C-824	Piston Head to Guide Screw	4
27	4E-08	Piston Head Lockwasher	8
28	*	Slide Strip Rear Bottom	1
29	*	Slide Strip Front	1
30	604447	Slide Strip Rear Top	1
31	601769	Upright Support Bushing	2
* See Variable Parts Chart 606576 60" thru 180"			



LIFT BRACKET ASSEMBLY



## 606576 VARIABLE PARTS CHART

MAX. FORK HEIGHT	UPRIGHT & CYL. ASSEMBLY	INNER SLIDE ASSY.	UPRIGHT WELDED ASSY. R.H.	UPRIGHT WELDED ASSY. L.H.	SLIDE STRIP FRONT	SLIDE STRIP REAR LOWER	LIFT CYL. ASSEMBLY COMPLETE	LIFT CYL. WELDED ASSEMBLY	PISTON ROD	LIFT CHAIN	VENT PIPE
60	603895	602964	603793	603732	603119	603193	603341	603267	602632	52	603415
62	603896	602965	603794	603733	603120	603194	603342	603268	602633	52	603416
64	603897	602966	603795	603734	603121	603195	603343	603269	602634	54	603517
66	603898	602967	603796	603735	603122	603196	603344	603270	602635	54	603518
68	603899	602968	603797	603736	603123	603197	603345	603271	602636	56	603419
70	603900	602969	603798	603737	603124	603198	603346	603272	602637	56	603420
72	603901	602970	603799	603738	603125	603199	603347	603273	602638	58	603421
74	603902	602971	603800	603739	603126	603200	603348	603274	602639	58	603422
76	603903	602972	603801	603740	603127	603201	603349	603275	602640	60	603423
78	603904	602973	603802	603741	603128	603202	603350	603276	602641	60	603424
80	603905	602974	603803	603742	603129	603203	603351	603277	602642	62	603425
82	603906	602975	603804	603743	603130	603204	603352	603278	602643	62	603426
84	603907	602976	603805	603744	603131	603205	603353	603279	602644	64	603427
86	603908	602977	603806	603745	603132	603206	603354	603280	602645	64	603428
88	603909	602978	603807	603746	603133	603207	603355	603281	602646	66	603429
90	603910	602979	603808	603747	603134	603208	603356	603282	602647	66	603430
92	603911	602980	603809	603748	603135	603209	603357	603283	602648	68	603431
94	603912	602981	603810	603749	603136	603210	603358	603284	602649	68	603432
96	603913	602982	603811	603750	603137	603211	603359	603285	602650	70	603433
98	603914	602983	603812	603751	603138	603212	603360	603286	602651	70	603434
100	603915	602984	603813	603752	603139	603213	603361	603287	602652	72	603435
102	603916	602985	603814	603753	603140	603214	603362	603288	602653	72	603436
104	603917	602986	603815	603754	603141	603215	603363	603289	602654	74	603437
106	603918	602987	603816	603755	603142	603216	603364	603290	602655	74	603438
108	603919	602988	603817	603756	603143	603217	603365	603291	602656	76	603439
110	603920	602989	603818	603757	603144	603218	603366	603292	602657	76	603440
112	603921	602990	603819	603758	603145	603219	603367	603293	602658	78	603441
114	603922	602991	603820	603759	603146	603220	603368	603294	602659	78	603442
116	603923	602992	603821	603760	603147	603221	603369	603295	602660	80	603443
118	603924	602993	603822	603761	603148	603222	603370	603296	602661	80	603444
120	603925	602994	603823	603762	603149	603223	603371	603297	602662	82	603445
122	603926	602995	603824	603763	603150	603224	603372	603298	602663	82	603446
124	603927	602996	603825	603764	603151	603225	603373	603299	602664	84	603447
126	603928	602997	603826	603765	603152	603226	603374	603300	602665	84	603448
128	603929	602998	603827	603766	603153	603227	603375	603301	602666	86	603449
130	603930	602999	603828	603767	603154	603228	603376	603302	602667	86	603450
132	603931	603000	603829	603768	603155	603229	603377	603303	602668	86	603451
134	603932	603001	603830	603769	603156	603230	603378	603304	602669	88	603452
136	603933	603002	603831	603770	603157	603231	603379	603305	602670	88	603453
138	603934	603003	603832	603771	603158	603232	603380	603306	602671	90	603454
140	603935	603004	603833	603772	603159	603233	603381	603307	602672	90	603455
142	603936	603005	603834	603773	603160	603234	603382	603308	602673	92	603456
144	603937	603006	603835	603774	603161	603235	603383	603309	602674	92	603457
146	603938	603007	603836	603775	603162	603236	603384	603310	602675	92	603458
148	603939	603008	603837	603776	603163	603237	603385	603311	602676	94	603459
150	603940	603009	603838	603777	603164	603238	603386	603312	602677	94	603460
152	603941	603010	603839	603778	603165	603239	603387	603313	602678	96	603461
154	603942	603011	603840	603779	603166	603240	603388	603314	602679	96	603462
156	603943	603012	603841	603780	603167	603241	603389	603315	602680	98	603463
158	603944	603013	603842	603781	603168	603242	603390	603316	602681	98	603464
160	603945	603014	603843	603782	603169	603243	603391	603317	602682	98	603465
162	603946	603015	603844	603783	603170	603244	603392	603318	602683	100	603466
164	603947	603016	603845	603784	603171	603245	603393	603319	602684	100	603467
166	603948	603017	603846	603785	603172	603246	603394	603320	602685	100	603468
168	603949	603018	603847	603786	603173	603247	603395	603321	602686	102	603469
170	603950	603019	603848	603787	603174	603248	603396	603322	602687	102	603470
172	603951	603020	603849	603788	603175	603249	603397	603323	602688	104	603471
174	603952	603021	603850	603789	603176	603250	603398	603324	602689	104	603472
176	603953	603022	603851	603790	603177	603251	603399	603325	602690	106	603473
178	603954	603023	603852	603791	603178	603252	603400	603326	602691	106	603474
180	603955	603024	603853	603792	603179	603253	603401	603327	602692	108	603475





CLARK EQUIPMENT COMPANY, SERVICE DIVISION

INSTRUMENT PANEL AND ELECTRICAL PARTS FOR DYNATORK CARLOADER

<u>Item</u>	<u>Part No.</u>	<u>Description</u>	<u>No. Req'd.</u>
1	631101	Instrument Panel Bos	2
2	631098	Instrument Panel	1
3	4G-408	Instrument Panel Mounting Bolt	2
4	4E-04	Instrument Panel Mounting Bolt Lockwasher	2
5	1C-520	Instrument Panel Box to Steering Column Brace Bolt	2
6	619019	Instrument Panel Box to Steering Column Brace Bolt Plain Washer	2
7	4E-05	Instrument Panel Box to Steering Column Brace Bolt Lockwasher	2
8	1D-05	Instrument Panel Box to Steering Column	2
9	626528	Electric Thermo Gauge - Dash Unit	1
10	626530	Electric Thermo Gauge Mounting Strap	1
11	14D-10	Electric Thermo Gauge Mounting Strap Nut	2
12	12D-8	Electric Thermo Gauge Mounting Strap Nut	2
13	13E-10	Electric Thermo Gauge Mounting Strap Nut Lockwasher	2
14	626529	Thermo Gauge-Engine Unit	1
15	14D-10	Thermo Gauge-Engine Unit Terminal Nut	2
16	13E-10	Thermo Gauge-Engine Unit Terminal Nut Lockwasher	2
17	631131	Ammeter <del>F2-56</del>	1
18	626568	Oil Gauge Assembly (Dash Unit)	1
19	626569	Oil Gauge-Engine Unit	1
20	626530	Oil Gauge Mounting Strap	1
21	14D-10	Oil Gauge Mounting Strap Nut	2
22	12D-8	Oil Gauge Mounting Strap Nut	2
23	13E-10	Oil Gauge Mounting Strap Nut Lockwasher	2
24	14D-10	Oil Gauge Engine Unit Terminal Nut	2
25	13E-10	Oil Gauge Engine Terminal Nut Lockwasher	2
26	626570	Gas Gauge (Dash Unit)	1
27	626530	Gas Gauge Mounting Strap	1
28	14D-10	Gas Gauge Mounting Strap Nut	2
29	12D-8	Gas Gauge Mounting Strap Nut	2
30	13E-10	Gas Gauge Mounting Strap Nut Lockwasher	2
31	627981	Gas Gauge - Tank Unit	1
32	627982	Gas Gauge to Gas Tank Gasket	1
33	2G-1008	Gas Gauge to To Gas Tank Screw	5
34	635018	Fuse Holder	1
35	2G-604	Fuse Holder Screw	2
36	12D-6	Fuse Holder Nut	2
37	13E-8	Fuse Holder Nut Lockwasher	4
38	624112	Ignition Switch & Key Assembly	1
39	857860	Ignition Swith Key	1
40	631099	Forward & Reverse Switch & Loom Assembly	1
41	620957	Loom 33" Long	1
42	631104	Resistor Mounting Plate to Sump Angle Assembly	1
43	628259	Wiring Shield	1
44	1C-408	Wiring Sheild to Steering Column Brace Bolt	2
45	4E-04	Wiring Shield to Steering Column Brace Bolt <del>LD</del>	2

